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ABSTRACT

This report examines the disparity in education expenditures in elementary and secondary schools for each state for the period from 1979-80 to 1993-94. Data from the Census Bureau's Survey of Local Governments were used, and the object of analysis was instructional expenditures per pupil. School districts were grouped into four categories: (1) unified districts; (2) elementary districts; (3) secondary districts; and (4) all districts. The greatest emphasis in the report is given to unified districts. Results show that, for most states, a majority of disparity indices for unified districts indicated declining disparity. Five of the states with increasing disparity were in the Midwest, and the other three were in the West. For each of the states for which the measures fell, the decline in disparity did not necessarily mean the state had a more equitable distribution of education expenditures, since the percentage and distribution of special-needs students may have changed over that period. All the disparity measures indicated declining disparity for three of the regions when examined as a whole, and a majority of measures indicated declining disparity in the other areas. Disparity increased for the nation as a whole, in part because instructional expenditures per pupil increased at different rates in different parts of the country. (RJM)

NATIONAL CENTER FOR EDUCATION STATISTICS

Statistical Analysis Report

January 2000

Trends in Disparities in School District Level Expenditures per Pupil

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Abstract

Disparity between districts in education expenditures in elementary and secondary schools was examined for each state and also for geographic regions and the nation as a whole for the period from 1979–80 to 1993–94. Data from the Census Bureau's Survey of Local Governments: School Systems (F-33) for individual districts for school years 1979–80 through 1982–83 and 1985–86 through 1993–94 were used. The database was edited for such errors as the placement of school districts in incorrect states. The object of analysis was instructional expenditures per pupil. Districts were grouped into four categories: (1) unified districts; (2) elementary districts; (3) secondary districts; and (4) all districts. In the text, the greatest emphasis is given to unified districts. Six alternative disparity measures were used: (1) the coefficient of variation; (2) the Gini coefficient; (3) the Thiel coefficient; (4) the federal range ratio; (5) the McLoone index; and (6) Atkinson's index. For most of the states, a majority of disparity indices for unified districts indicated declining disparity from 1979–80 to 1993–94. Five of the states for which a majority of disparity measures indicated increasing disparity were in the midwest and the other three were in the west. For each of the states for which the measures fell, the decline in disparity does not necessarily mean the state has a more equitable distribution of education expenditures as the percentage and distribution of special needs students may have changed over that period. All of the disparity measures indicated declining disparity for three of the regions when examined as a whole and a majority indicated declining disparity in the other. While the results indicated declining disparity in most of the states and all of the regions, six of the seven disparity measures indicated increasing disparity for the nation as a whole. Disparity increased for the nation as a whole in part because instructional expenditures per pupil increased at different rates in different parts of the country. In some instances, if outliers had been included in the analysis, they would have affected at least some of the disparity measures. Four case studies were examined in which the disparity measures with and without outliers were calculated.

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Introduction

There has been a continuing interest in measuring disparities between districts in public elementary and secondary education finances over the years. One major reason for this comes from the judiciary: many state courts determined that their state's constitution requires a more equal distribution of funds.¹ In 1994, a second reason emerged: the U.S. Congress re-authorized Title I of the Elementary and Secondary Education Act as a part of 'Improving America's Schools Act,' in which one educational disparity measure, the coefficient of variation, was to be used in one formula to allocate funds. No funds have been allocated using that formula. But, just the existence of such legislation points to the interest that legislatures have in educational disparity measures. Legislative action and court decisions have ensured that the study of educational disparity measures continues to occupy a prominent place in the minds of policymakers and analysts.

This paper examines educational disparity measures for each state for years between 1980 and 1994 using instructional expenditures per pupil from the Census Bureau's annual Survey of Local Governments: School Systems. This database was used to examine disparity both across time for each state, as well as among states during given years.

Several different measures were used as each measure evaluates distributions of expenditures by school districts differently. This report uses seven different educational disparity measures: the coefficient of variation, the Gini coefficient, the Theil coefficient, McLoone index, the federal range ratio, and two versions of Atkinson's index. The seven measures used here present a cross-section of the different educational disparity measures that are available.

One factor that impacts any analyses concerning disparity is that there are various types of school districts, even among the regular school districts, which provide general classroom instruction. There are three types of regular districts: those that serve predominately elementary grades; those that serve predominately secondary grades; and those that are unified, serving both elementary and secondary grades. There are also other types of districts that provide administrative services or provide instruction for disabled students, or serve other specialized

purposes. This report focuses on the most common type of district, the regular unified district. In a separate appendix, educational disparity measures are presented for regular elementary districts, regular secondary districts, and for all regular districts combined.

A major finding of this report is that overall, disparity appears to have fallen from 1980 to 1994, for most states and for most educational finance disparity measures. There are several important caveats: (1) while disparity as measured by the seven disparity measures has declined in some states such as Washington (see tables 3 through 9), disparity has risen in others such as Kansas; (2) the choice of the measure can be important, with some states, such as Idaho, showing different results depending on the choice of measures; (3) for each of the states for which the measures declined, the decline in disparity does not necessarily mean the state has a more equitable distribution of education expenditures as the percentage and distribution of special needs students may have changed over that period; (4) for each of the states for which the measures declined, the decline in disparity does not mean that the state may not still have a substantial amount of disparity; (5) this analysis does not differentiate what policymakers and analysts may see as acceptable disparity (e.g. increased spending for special education or compensatory education) from those judged to be unacceptable (e.g. those that are simply from differences in district's wealth); and (6) this analysis examines only disparity between districts and does not examine within district disparity.

Another major finding of this paper concerns the difficulty in analyzing school district finance data. The diversity of school districts themselves presented formidable conceptual challenges and a significant amount of time was spent examining and correcting the databases. Even such critical items as the state location of the school district were sometimes flawed, as there were often districts that were either assigned to the wrong state, or not assigned to any state. Despite the efforts to correct these problems, there were probably many more that were not discovered. It should be noted that most of these problems were for the earlier years, and significantly fewer problems were found in surveys for the later years. If, as probable, there are still problems with the data that are uncorrected and if most of these problems are also for the earlier years, this might be a factor in the finding that disparity in a majority of states has fallen over time as the problems in the data are likely to increase the amount of disparity that is

observed with the disparity measures.

Data Issues

The Census Bureau's Survey of Local Governments: School Systems (henceforth F-33) contains data on both revenues and expenditures of elementary and secondary education agencies. The districts included on the F-33 universe files comprise a relatively complete set of local fiscally independent and dependent elementary/secondary school systems, with some exceptions. More recently, the National Center for Education Statistics has provided substantial financial and other support to the Bureau of the Census to expand and improve this data collection, to enhance its research capabilities, and to provide more useful information for local education officials. The school district enrollment data used in this report were collected by the F-33 data survey system (for the most part, as of October 1 of the school year). The F-33 data set also contains information on a number of institutions that are not used in this analysis. First, all junior and community colleges on the F-33 data set were deleted. Second, only non-zero enrollment districts were included. This means that a number of special and vocational education and administrative costs were deleted. Enrollment in special and vocational districts is generally reported in their "home" school districts, while the finances, especially instructional expenditures, are reported in special districts.

A second data issue concerns whether the data were from a universe collection or a sample collection. In some years of the F-33 Survey, the universe of school districts was supposed to be collected for each state. In other years, a sample of school districts was collected for some states while a universe was collected for others. This can be seen in table 1 in which an X means that for the year in question, that state had a sample collection. In general, there are universe collections for 1980, 1982, 1987, 1990, and 1992 and sample collections for some states for 1981, 1983, 1986, 1988, 1989, 1991, 1993, and 1994. (Throughout this report, we will use a year to denote the year in which a school year ends. For example, 1980 stands for the 1979-80 school year.) Note that there are some states which have sample data for each of the eight sample years (such as Arkansas), others which always have universe collections (for example, Connecticut), and others which have samples for some years and universe collections for others

(such as Idaho, for which a sample of school districts was collected in 1981 and the universe was collected the other years). There is one special case: in 1982 there was a universe collection for all states but Alaska. (The count of unified districts for each year for each state can be found in table A3.1.1 and the count for all districts in A3.4.1.) In most instances when only a sample was collected, the F-33 included a sample weight which was used in the computation of the statistics presented in this paper.² For any of the universe years, the count of districts in many states does not agree with the NCES official count. Further, the count of enrollment reported through F-33 does not agree in any year, for any state, with the NCES enrollment figure. Note that these statements concerning differences do not necessarily indicate errors in either data collection system. F-33 only collects data on local school systems, while NCES collects information on all schools in a state, including those operated by state agencies. Also, many states administer fiscal issues differently than non-fiscal issues. For example, it is not unusual for some states to have a number of districts independent for non-fiscal purposes (day-to-day operation, curriculum, personnel), but consolidated for fiscal purposes. Hence, the NCES effort involves a listing of local education units and all their data, while the F-33 survey focuses on the fiscal aspects of governments only.

The third issue concerns the presence of outliers, i.e. those districts with either extremely high or extremely low current expenditures per pupil. There are two types of outliers: those districts for which the enrollment and current expenditure data are correct and which have been correctly placed in the F-33 but have unusual characteristics; and those for which there is either a problem with the data for or which data have been incorrectly placed in the F-33. Ideally, the outliers of the first type should be included in the study while those of the second type should be excluded. Unfortunately, it is frequently impossible to determine whether an outlier district is of the first type or the second. After an inspection of the expenditure distribution for each year, it was decided to exclude a small number of districts with current expenditure of either very low expenditures per pupil or very high expenditures per pupil. The minimum levels used changed over time beginning with a minimum value of \$500 for 1980 and rising to \$1,300 for 1994. The maximum level was kept consistent at \$20,000. See table 2 to see the minimum and maximum levels for each year and the number of districts that were excluded due to the minimums and

maximums.

Another issue concerns the three major groupings of school districts throughout the country: districts that serve predominately elementary grades, districts that serve secondary grades, and those that serve both elementary and secondary grades (unified districts). There are two reasons these groupings were used in this analysis.

The first reason is a legal one: the Title I legislation that mandates the use of the coefficient of variation in one formula for the allocation of funds (the "Education Finance Incentive Grant" formula as specified in Section 1125A) also mandates that this be done according to these groupings. At its passing, this special grant formula included a modified version of the coefficient of variation, calculated for a subset of districts and weighted by the use of counts of special needs students. (See appendix A1). In short, the statute mandates the calculation of an "equity index," incorporating elements of wealth and expenditures.

The second reason for examining elementary districts, secondary districts, and unified districts separately is that there is a potential bias if all districts are examined together. This happens because expenditures are typically higher for secondary students than elementary students. In a state with mostly separate elementary districts and secondary districts, this difference in expenditures will be reflected in artificially high values for the disparity measures. In a state with mostly unified districts, these differences in spending will still occur, but they will not be observed as spending for elementary and secondary students is combined.

The most common type of district is the unified district. In 1992, over 70 percent of all districts in the United States were unified districts in 1992. Therefore, the greatest emphasis in the text will be given to the unified districts. Further, as part of the text, a series of tables containing the educational disparity measures for unified districts are presented by state. However, for the few states for which unified districts make up a small percentage of all districts, we will discuss the educational disparity indexes for the other groupings. The third appendix contains tables of disparity measures for those states having elementary districts and secondary districts as well as summary statistics (the counts of districts, enrollments, means, medians, standard deviations, fifth percentiles and ninety-fifth percentiles) for unified, elementary and secondary districts. The same sets of tables are also presented for all districts combined. The

disparity measures for all districts combined may overstate the level of disparity for states such as Illinois which have large proportions of their students in elementary districts and secondary districts rather than unified district. As it is generally more expensive to educate secondary school students than elementary school students, the disparity measures of states with large proportions of their students in elementary districts and secondary districts will tend to indicate greater disparity than those of state with most of their students in unified districts.

As noted in the introduction, regular school districts provide classroom instruction and other types of districts serve specialized purposes. This complicates this analysis as the number and type of specialized districts vary across states and over time. For example, some states have special districts for disabled pupils while other states do not. Expenditures for disabled students are higher than those for other pupils. Therefore, states with some separate special education districts would appear to have greater disparity than otherwise similar states without such districts. Unfortunately, the F-33 does not contain a code to indicate which districts are regular districts and which are these specialized districts for every year under analysis.

A related issue concerns the method used to place the districts into the three groups. Two options were considered: using the groupings already on the F-33 or using a methodology developed for use in the *Digest of Education Statistics*. To ensure comparability with other NCES data, the latter method was used. This method involves identifying the type of district using the grade span provided in the NCES School District Universe (SDU). This method has some limitations because districts report only those grades with enrollments. Thus, for some very small districts, classification may change from year to year, if they have no children in the upper or lower grades. However, the F-33 data set did not contain all the necessary information (each district's lowest and highest grades) to distinguish school district types as used in the *Digest*. For each year, the data from the F-33 and the SDU were merged together. When adjustments were required because of nonmatches or incomplete data, either the district's history or district name was considered in assigning a grade span or a default (to a unified district) was used. For example, for Massachusetts in 1987, the SDU data did not have grade spans. In that case, the grade spans of the previous year were used.

Before examining some of the other data issues, it would be useful to look at the diversity

among the states concerning the number, size and type of the school districts. There are some states with a large number of mostly small districts, while there are other states with a few large districts, and there are many states in between. The number of districts is quite stable in some states, yet changes substantially from year to year in others. Some states have only unified districts while other states have a distribution of each classification, and in a few cases this distribution changes over time.

For example, Florida had 67 districts in 1980, and that number did not change over time. In contrast, the number of districts in Nebraska fell from over 1,030 in 1980 to 672 in 1994, a decline of 358. In Florida, the median number of pupils per district in 1987 was 8,788, while in Nebraska it was only 29. In Florida, all the districts were unified, while in Nebraska, there were many of each type.

Hawaii and the District of Columbia were not included in the analysis of disparity within a state because each jurisdiction consists of a single school district so there can be no disparity across districts. These jurisdictions were included, however, in the analysis of disparity within regions and within the United States as a whole.

Another issue concerns how the statistics were weighted. In this report, all the statistics were pupil weighted. For example, the mean instructional expenditures per pupil for unified districts for each state shown in table A3.1.4 were calculated by dividing total instructional expenditures for that state by the total enrollment in that state. An alternative method would have been to take the average of all the districts' spending in the state (district weighting). Pupil weighting has traditionally been used in disparity studies because the greatest interest has been in the disparity among individual students, not school districts.

There is also the question of the object of analysis. Analysts have used many different variables, both fiscal and nonfiscal, in previous studies. A fiscal variable was selected because the judiciary has placed the greatest emphasis on financial disparity. An expenditure measure was used rather than a revenue measure since it appears that expenditure data are more consistent across states. State authorities were supposed to use the expenditure definitions from the NCES financial accounting handbook (either the *Financial Accounting for Local and State School Systems* or the *Financial Accounting for Local and State School Systems 1990*) as they

determined their reports of F-33 expenditure items. This has been the practice throughout the entire period since 1980. They were not required to use the handbook definitions of state and local revenues throughout the entire time period. Moreover, definitions of some revenue categories in F-33 are inconsistent with NCES's state reports. For example, in the early eighties, states had difficulty in differentiating between federal revenue and state revenue for programs such as Title I in which federal revenue past through state agencies.

Two measures of expenditures are available: current expenditures and instructional expenditures. Although the Title I legislation requires the use of current expenditures rather than instructional expenditures for Title I formulas, this analysis uses instructional expenditures for two reasons. First, some types of expenditures are included in current expenditures, but excluded from instructional expenditures, for which there are legitimate differences among districts. Examples include expenditures for transportation, building maintenance, and utilities which in some geographic areas (such as Alaska) may vary dramatically from those expenditures in other, more moderate climates. These differences indicate operating necessities and are not indicative of the kind of expenditure choices over which local or state governments have control. Second, many consistency problems affect current expenditures but do not affect instructional expenditures. Some problems arise because states are given the option to use either the *Financial Accounting for Local and State School Systems* or the *Financial Accounting for Local and State School Systems 1990* and, while the definitions of instructional expenditures do not differ in the two handbooks, the definitions of other components of current expenditures are different. For instance, the replacement of equipment is handled differently in the two handbooks. Another example of varying reporting practices is that in some states, state or intermediate agencies provide either goods or services to schools districts (such as health services in New York) which should be counted as current expenditures, but are not.

This choice of instructional expenditures rather than current expenditures may exclude some items from this analysis that could be indicative of disparities among school districts. For example, low-revenue districts may try to keep class sizes and teacher salaries (the main determinants of instructional expenditures) at levels comparable to other districts by deferring expenditures on building maintenance and repairs and other non-instructional expenditures.

However, as discussed above, the data on non-instructional current expenditures may be flawed for many of the years of this study. Therefore, for this study we decided to focus on instructional expenditures, which are the largest and arguably most important component of current expenditures.

Many other data issues concerning both the F-33 and NCES's School District Universe were considered in this study and are discussed in appendix A2.1.

Methodology

Six main educational disparity measures were used to examine the disparity among school districts within each state. Several disparity measures were used because each measures the disparity of an expenditure distribution differently and because some disparity measures are easier to understand than other measures. Other disparity measures as well as further methodological issues³ are discussed below.

The Six Educational Disparity Measures

The coefficient of variation. The coefficient of variation expresses the standard deviation as a percentage of the mean. The importance of this measure is that it incorporates the most basic statistical measures available (i.e. the standard deviation and the mean). For this reason it is used frequently by statisticians and researchers to describe distributions. Also, the coefficient of variation has been placed in congressionally mandated legislation as an equity factor for Title I legislation.

The formula is:

$$\frac{\left(\frac{\sum P_i (M - x_i)^2}{\sum P_i} \right)^{1/2}}{M}$$

where:

P_i = Student enrollment in school district i ;

x_i = Instructional expenditures per pupil in school district i ; and

M = Mean instructional expenditures per pupil for all pupils.

The coefficient of variation has a minimum value of zero, and increasing values mean increasing disparity.

The Gini coefficient. The Gini coefficient is very often used in the analysis of income disparity and can be used in the analysis of educational finance disparity as well. The Gini coefficient analyzes how a certain percentage of students matches up with a certain percentage of instructional expenditures, looking at how far the distribution is from providing each percentage of students with an equal percentage of instructional expenditures.⁴

The formula is:

$$\frac{\left(\frac{\sum \sum |x_i - x_j| P_i P_j}{(\sum P_i)^2} \right)}{2M}$$

where:

P_i = Student enrollment in school district i ;

P_j = Student enrollment in school district j ;

x_i = Instructional expenditures per pupil in school district i ;

x_j = Instructional expenditures per pupil in school district j ; and

M = Mean instructional expenditures per pupil for all pupils.

This measure presents several advantages. First, it equally weights all students in the distribution as it measures the disparity in the distribution. It is also clearly illustrated by the Lorenz curve (Figure A) where:

X = Cumulative expenditures;

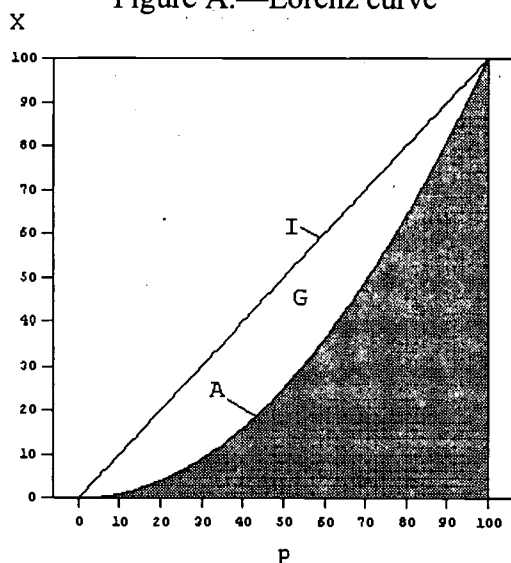
P = Cumulative enrollments;

I = Perfect equity;

G = Area between I and A ; and

A = Actual cumulative expenditures.

Figure A.—Lorenz curve



To produce the Lorenz curve, sort the school district data by ascending expenditures per pupil. Then graph cumulative expenditures and enrollments as shown. The alternative formula for the Gini coefficient is:

$$\text{Gini} = \frac{G}{(G + A)}$$

A Gini coefficient of zero means absolute equality and a value of one means absolute inequality. The Gini coefficient

has a minimum value of zero, and increasing values mean increasing disparity.

The Theil coefficient. Like the coefficient of variation and the Gini coefficient, the Theil coefficient equally weights all observations in the distribution. Unlike those other two measures, the Theil coefficient is log normal. That is, the distribution of the Theil statistic is approximately normal (i.e., 68 per cent within 1 standard deviation of the mean) only if one first takes the natural logarithm of the dependent variable. This measure may be useful if the distribution of per pupil instructional expenditures is log normal, as are many other fiscal variables.

The Theil coefficient was developed by Henri Theil⁵ to measure of the amount of information conveyed by a single message that an event has occurred. It was derived from the study of what Theil called the information concept. If we know an event is likely (i.e., the probability of the event is close to 1.0) then the amount of information conveyed is low (i.e., it is no surprise that the event occurred). But if the probability is low (i.e. near zero), a message saying it occurred provides a significant amount of information. Intuitively, and later rigorously proven by Theil and others, the function of the amount of information conveyed is logarithmic (i.e., $h(z)=\ln(1/z)$, where h =information function and z =probability of event).

Having developed the information function as a measure of the amount of information conveyed, Theil then suggested that this information function could also be used as a measure of

dispersion. For example, if instructional expenditures per pupil in a state are relatively close together (i.e., low disparity), then relatively little information would be provided by random draws of the districts (i.e., the $1/z_i$, the probabilities, are high, but the value of the information function, the sum of the logarithms, is low). In contrast, if instructional expenditures per pupil are very dissimilar, then probabilities for drawing a given level of expenditures are lower, and the information gained from a random draw will be high. Thus, the information function can be a measure of dispersion, and a comparison of the values of Theil coefficients for groups within a set (i.e., states within the nation) will indicate relative dispersion and any disparities that may exist among them.

The formula for the Theil coefficient is:

$$T = \frac{\left(\sum P_i x_i \ln x_i \right) - \left(\sum P_i x_i \ln M \right)}{\sum P_i x_i}$$

where:

P_i = Student enrollment in school district i ;

x_i = Instructional expenditures per pupil in school district i ; and

M = Mean instructional expenditures per pupil for all pupils.

The Theil coefficient has a minimum value of zero and increasing values mean increasing disparity.

The federal range ratio. The federal range ratio is the difference between the per-pupil financial variable at the 95th and 5th percentiles of pupils arranged in ascending order of per-pupil values divided by the per-pupil spending at the 5th percentile. It has a long tradition of being used to define disparity. A limitation with it is that it only focuses on two points to define an entire distribution.

The formula is:

$$\frac{(X - Y)}{Y}$$

where:

X = 95th percentile of per pupil instructional expenditure within the state; and

Y = 5th percentile of per pupil instructional expenditure within the state.

Like the other measures discussed so far, the federal range ratio has a minimum value of zero and increasing values mean increasing disparity.

The McLoone index. The McLoone index focuses only on those school districts with expenditure per pupil values which are below the state median. This measure removes the effects of disparity in per pupil instructional expenditures that are caused by districts that may spend considerably more than what might be considered necessary to provide adequate educational services. The index is designed to identify the relative frequency of potentially underfunded districts.

The numerator is the sum of all instructional expenditures of the school districts below the state median of expenditures per pupil. The denominator is the sum of pupils in school districts below the state median of expenditures per pupil multiplied by the state median per pupil instructional expenditure. The formula is:

$$\frac{\sum P_i x_i}{\sum P_i (med)}$$

where:

i = districts below the state median per pupil instructional expenditure;

P_i = Student enrollment in school district i;

x_i = Instructional expenditures per pupil in school district i; and

med = Median instructional expenditures per pupil for all pupils.

The McLoone index has a maximum value of one, and unlike the other measures discussed thus far, higher values mean more equity.

There can be instances in which values cannot be calculated for the McCloone index though values can be calculated for the other disparity measures. This happens when the district with the lowest instructional expenditures per pupil has at least half the state's enrollment. In that case, there are no districts with instructional expenditures below the state median, so no McLoone index can be calculated. For example, for every year from 1986 to 1994 (with the exception of 1991), Clark County in Nevada had the lowest instructional expenditures per pupil in the state and also had more students than Nevada's other districts combined.

Atkinson's index. Atkinson's index is unique among the disparity measures used in this analysis because it contains a parameter, E, which is set by the researchers. For low values of E, Atkinson's index resembles disparity measures such as the Gini coefficient in that all points on the distribution are given similar weights when measuring disparity. As the value of E increases, greater emphasis is placed on the lower end on the distribution.

The formula for Atkinson's index is:

$$A = \left(\frac{\sum P_i \left((x_i/M)^{1-E} \right)}{\sum P_i} \right)^{1/(1-E)}$$

where:

P_i = Student enrollment in school district i;

x_i = Instructional expenditures per pupil in school district i;

M = Mean instructional expenditures per pupil for all pupils; and

E = A parameter with $E > 0$, $E \neq 1$.

Atkinson's index has a minimum value of zero, standing for complete inequity, and a maximum value of one standing for complete equity. Like the McLoone index, higher values mean greater equity.

In this analysis, Atkinson's index was calculated for a low value of E (2) and high value for E (150). In the selection of the values of E, the work of Berne and Stiefel was considered. They calculated values for Atkinson's index for two states for several years for many values of E. For Michigan, they found that the patterns over time for Atkinson's index for E ranging between .2 and 8 were quite similar, while those from 16 to 150 were also quite similar to each other but different from the lower values. For New York, values of E less than 50 presented similar patterns which were quite different from those analyses with E values over 50.

Atkinson's index with high values for E can be extremely sensitive to outliers at the bottom end of the distribution. In the calculation of Atkinson's index, each school district's instructional expenditure per pupil is divided by the mean instructional expenditures per pupil for all pupils. Each of these ratios is then taken to the $(1-E)$ th power. When an extremely low ratio (i.e., a district's instructional expenditures per pupil is extremely low relative to the mean) is taken to the $(1-E)$ th power and E is large enough, an extremely large number can occur. This number can be so large compared to the numbers produced by the other districts that the other districts have virtually no impact in the calculation of Atkinson's index. For example, according to the F-33, Arizona's "Rucker Elementary School District 066", which was excluded from this analysis, had an enrollment of 4 and an expenditures per pupil of \$200 in 1982. Including this district in the calculation of Atkinson's index with an E of 150, the district's ratio of expenditures per pupil to the mean of the expenditure per pupil for all the pupils would equal 4 times ten to the 125th power, far larger than the similar values for the other districts (the value for the next largest district was only to the 25th power). Hence, this one district with an enrollment of 4 would dominate Arizona's value of Atkinson's index with an E=150. (There is a discussion on the impact of outliers on the disparity measures when the results are discussed, and several examples of outliers are presented in appendix A.)

Other Methodological Issues

The choice of educational disparity measures. Several other educational disparity measures were considered for this study. Berne and Stiefel examined eleven educational

disparity measures (including the measures considered here) looking for similarities and differences among the measures. Berne and Stiefel were able to group the measures theoretically and then group them empirically after a study of Michigan and New York over time.

Besides the measures examined here, Berne and Stiefel also examined five other educational disparity measures. They are:

- (1) The range, which is the difference between the highest and the lowest per pupil expenditure in the distribution;
- (2) The restricted range, which is the difference between the per-pupil expenditure at the 95th and 5th percentiles of pupils arranged in ascending order of per-pupil expenditures;
- (3) The relative mean deviation, which is the sum of the absolute values of the differences between each per pupil expenditure and the mean per pupil expenditure as a proportion of total per pupil expenditures in the distribution;
- (4) The variance, which is the average of the squared deviations of each per-pupil object from the mean per-pupil expenditures; and
- (5) The standard deviation of the logarithms, which is the square root of the variance of the natural log of the per-pupil expenditures.

Berne and Stiefel first attempted to group the measures theoretically. To do that, they asked a series of questions of each measure. These questions included such topics as whether the value of the measure would remain unchanged if expenditures in each district in a state increased by a fixed percentage, and whether the measure examined the entire distribution or just part of it. Through these questions, Berne and Stiefel broke the measures into four groups.

The first group consisted of measures that are sensitive to equal percentage increases and insensitive to equal additions. This group consisted of the range, the restricted range and the variance. The second group consisted of measures that weight the low end of the distribution more heavily than the rest of the distribution. This group consisted of the McLoone index, the standard deviation of the logarithms, and Atkinson's index with high values of E. The third group consisted of measures that are insensitive to equal percentage increases and include all observations. This group consisted of the coefficient of variation, the Gini coefficient, the Theil coefficient, the relative mean deviation, and Atkinson's index with low values of E. The final

group was the federal range ratio alone.

The only group not represented in this paper is the first group. A principle property of this group is that the measures are sensitive to equal percentage increases. Therefore, this group is not appropriate for use in a time series study where inflation is a factor. The disparity measures used in this paper, however, are all appropriate for use in a time series study as they all have the property that measure would remain unchanged if expenditures in each district in a state increased by a fixed percentage.

Berne and Stiefel also grouped the educational disparity measures following an empirical study. They calculated the measures for two states, Michigan and New York, for several years. They compared the trends of the measures and on that basis, they placed the measures into five groups:

- (1) The range, the restricted range and the variance;
- (2) The coefficient of variation, the Gini coefficient, Theil coefficient, Atkinson's index at low values of E, the relative mean deviation and the standard deviation of logarithms;
- (3) The McLoone index;
- (4) Atkinson's index at high values of E; and
- (5) The federal range ratio.

The empirical groups are similar but not identical to the theoretical groups described above. The differences are that the McLoone index and Atkinson's index at high values of E each form their own group and the standard deviation of logarithms could be placed in the group with the coefficient of variation and others.

In this study, at least one measure from four of the five groups was examined. This analysis permits the reader to test for each state Berne and Stiefel's grouping of the coefficient of variation, the Gini coefficient, the Theil coefficient and Atkinson's index at low values of E in one category.

The choice of the object of analysis. Berne and Stiefel also examined the effect on fiscal disparity analyses of the choice of the object to study. They studied several fiscal measures including measures of both revenue and expenditures. One measure they examined was instructional expenditures, the object used in this study. These fiscal measures were examined

both directly and also after being adjusted by intrastate cost indexes that adjust for the differences that districts must pay to purchase similar education resources. They also studied some direct measures of inputs such as the number of teachers.

Berne and Stiefel found that the choice of the object did affect their findings. Results for fiscal measures were different from those of teacher resource objects. Results were also different for the different fiscal measures in some instances. For example, the time series for the coefficient of variation for instructional expenditures and current expenditures were quite similar while those for the federal range ratio and McLoone index were not. In addition, they found that cost-adjusted objects did show less disparity. Also, they noted that, even within the broad category of non-cost-adjusted objects, different objects often presented different results.

Each of their findings presents important qualifiers to the results presented here in which we use just one object, instructional expenditures, which has not been cost-adjusted. Our choice to use only instructional expenditures is motivated by the fact that our data source does not allow comparability across the time period 1980 to 1994 for any other financial measure. Our choice not to adjust for intrastate variations in cost was motivated by two facts: (1) the Title I legislation specifies the coefficient of variation unadjusted for variations in cost; and (2) there is no intrastate cost index for every year under examination in this paper.

Analysis of the Results

Most of the discussion will be based on data from unified districts because these are the most common type of district. A brief discussion of the other two district types follows the discussion of unified districts.

Unified Districts

Disparity within states. The seven disparity measures generally indicate that disparity in instructional expenditures within states declined from 1980 to 1994 for most of the states. (See tables 3 through 9.) For twenty-seven of the forty-nine states with at least two unified school districts, the seven disparity measures unanimously indicated decreasing disparity when comparing 1980 to 1994. For eight other states, six of the seven disparity measures indicated decreasing disparity and for three other states, five of the seven disparity measures indicated decreasing disparity.

Table A.—Number of states indicating decreasing disparity by region and the number of disparity measures: 1980 to 1994

Region	Total number of states with two or more districts	Number of measures indicating decreasing disparity							
		7	6	5	4	3	2	1	0
United States	49	27	8	3	0	5	3	2	1
Northeast	9	6	1	1	0	1	0	0	0
Midwest	12	4	2	0	0	2	2	1	1
South	16	12	4	0	0	0	0	0	0
West	12	5	1	2	0	2	1	1	0

For eleven states, a majority of disparity measures indicated increasing disparity from 1980 to 1994. In only one state, Kansas, all seven indicators showed increasing disparity.

No McCloone index could be calculated for Nevada for 1994 because Clark County had the smallest instructional expenditures per pupil and over half of the enrollment of the state. Of

the six disparity measures that could be calculated for Nevada for both 1980 and 1994, five indicated increasing disparity.

The results show clear regional differences among the states regarding increasing or decreasing disparity. Only one state in the Northeast and none in the South had a majority of the disparity measures indicating increasing disparity. In the Midwest, however, six of the twelve states had a majority of the disparity measures indicating increasing disparity, and in the West, four of the twelve states had a majority of the disparity measures indicating increasing disparity.

While a large majority of states showed decreasing disparity, the decline was usually not steady. For example, while the coefficient of variation indicated that disparity in Maryland was lower in 1994 than in 1980 (table 3 and figure 1), it also indicated that disparity had increased throughout the early 1980s reaching a peak in 1983 before declining. The disparity measures had shown similar patterns for Arizona. In some states (such as Washington; see figure 1) most of the disparity measures show disparity falling quite steadily.

If there are more undetected data problems in the early years than in the later years and if these data problems act to increase the amount of disparity that is observed by the disparity measures, then the finding of decreased disparity may to some unknown extent be due to the change in the improvements in the quality of data over time.

Sample years. It is difficult to measure the impact that the use of samples for some states for some years has had on the disparity measures. On the one hand, Idaho had its minimum value for the coefficient of variation in 1981, the only year for which a sample had been collected. But for other states, the use of a sample did not suggest significant impact. While Georgia's coefficient of variation did have its minimum values during two of its sample years, 1983 and 1986, other sample years did not show a similar impact. For example, the value for the sample year 1993 was virtually identical with the value for the universe year of 1994 (.149 versus .148).

The values of the disparity measures for 1994 were compared with the values for 1980 in reaching the conclusion that disparity in expenditures has fallen for most of the states over time. Since 1994 was a sample year for eight states, it is important to see how sensitive that conclusion was to the use of sample year data. All seven of the disparity measures had indicated decreasing

disparity for six of these eight states between 1980 and 1994. The exceptions were Kentucky, where four of the disparity measures indicated decreasing disparity, and New Mexico, where three of the disparity measures indicated decreasing disparity. To examine the impact of the use of sample years on the analysis, the 1980 values were compared to the values for the last universe year (for seven states, 1992, and for one, 1993). For four of the eight states, all seven of the disparity measures indicated decreasing disparity when the alternative end year was used. For California, four of the disparity measures showed increasing disparity; for New Jersey, three showed increasing disparity; for New Mexico, six; and for South Dakota, five. Hence, the conclusion that within state disparity in education expenditures has decreased remains, but is not quite as strong as before. That the disparity measures seem sensitive to the use of sample data suggests that significantly greater emphasis should be given to those instances where there are universe data. Of course, shortening the time period would logically reduce the likelihood of a reduction in disparity if there was a gradual decline in disparity over time.

The sensitivity of the disparity measures to outliers. Some states in a particular year had a small number of districts with either extremely high or extremely low instructional expenditures per pupil. These outliers tended to impact the various disparity measures in different ways. Four examples are presented in this section illustrating the different impacts outliers can have: (1) a district with small instructional expenditures and small enrollments; (2) a district with small instructional expenditures and high enrollments; (3) a district with high instructional expenditures and small enrollments; and (4) a district with high instructional expenditures and high enrollments. Appendix A2 presents a further discussion of different types of outliers.

The first example is Arizona's "Rucker Elementary School District 066"⁶. According to the F-33 in 1982, this school district had a low expenditure per pupil when compared to the state mean (\$200 versus \$1,394) and an enrollment of 4 pupils (out of a state total of approximately 277,000). Two sets of disparity measures were calculated for the unified school districts for Arizona for 1982: one set with "Rucker Elementary School District 066" and a second set without. The only disparity measure that changed was Atkinson's index with $E=150$. Without "Rucker Elementary School District 066," Atkinson's index rose to a value similar to the other

years. These results suggest that, when an outlier has very small enrollment, Atkinson's index with a high E can be very sensitive to outliers at the low end of the expenditure distribution, while the other disparity measures are not sensitive at all.

Table B.—Disparity measures for unified school districts in Arizona with and without “Rucker Elementary School District 066”: 1982

	Coefficient of variation	Gini coefficient	Theil coefficient	Federal range ratio	McLoone index	Atkinson's index	
						E=2	E=150
With	.158	.078	.012	.590	.934	.980	.155
Without	.158	.078	.012	.590	.934	.980	.707

The second example of an outlier is “Brevard County School District” in Florida in 1989. According to the F-33, this district had an instructional expenditure per pupil of \$221 compared to a state mean of \$2,289 and an enrollment of 51,583 pupils (out of a state total of approximately 1.7 million).⁷ Unlike the case with “Rucker Elementary School District 066,” disparity measures other than Atkinson's index with a high E were affected by the presence of this outlier. For example, the coefficient of variation with “Brevard County School District” had a value of .190 compared to a value of .103 without it. The other disparity measures were affected in Florida because, unlike the Arizona case, “Brevard County School District” had a relatively large enrollment.

Table C.—Disparity measures for unified school districts in Florida with and without “Brevard County”: 1989

	Coefficient of variation	Gini coefficient	Theil coefficient	Federal range ratio	McLoone index	Atkinson's index	
						E=2	E=150
With	.190	.082	.026	.428	.902	.791	.009
Without	.103	.057	.005	.364	.955	.990	.829

The third example of an outlier is “Greenlee Co. Accom. School” in Arizona in 1989. According to the F-33, it had an instructional expenditure per pupil of \$35,750 compared to a state mean of \$1,896 and an enrollment of 4 pupils (out of a state total of approximately

380,000). The only disparity measure to change by the exclusion of this small district was the coefficient of variation which decreased from .126 to .112.

Table D.—Disparity measures for unified school districts in Arizona with and without “Greenlee Co. Accom. School”: 1989

	Coefficient of variation	Gini coefficient	Theil coefficient	Federal range ratio	McLoone index	Atkinson's index	
						E=2	E=150
With	.126	.060	.006	.414	.937	.988	.792
Without	.112	.060	.006	.414	.937	.988	.792

The fourth example of an outlier is “Cherry Creek School Distribution 5” in Colorado in 1986. “Cherry Creek School Distribution 5” had an instructional expenditure per pupil of \$21,725 compared to a state mean of \$2,152 and an enrollment of 2,530 pupils (out of a state total of approximately 484,000).⁸ This district had one of the largest enrollments of any of the outliers at the high end of the distribution for any of the years under examination. It was substantially smaller than the example of a large district at the lower end of the distribution (2,530 versus 51,583). The inclusion of this school district increased the values for five of the disparity measures. It is to be expected that the McLoone index remained unchanged as it mostly examines disparity at the lower end of the expenditure distribution. The federal range ratio also remained unchanged, although it contains elements from both the high end and the low end of the distribution.

Table E.—Disparity measures for unified school districts in Colorado with and without “Cherry Creek Distribution 5”: 1986

	Coefficient of variation	Gini coefficient	Theil coefficient	Federal range ratio	McLoone index	Atkinson's index	
						E=2	E=150
With	.679	.134	.089	.741	.881	.931	.701
Without	.179	.092	.014	.741	.881	.974	.736

While not an exhaustive study, the results for the four examples suggest several things about the sensitivity of the disparity measures to outliers: (1) Atkinson's index with a high E is

very sensitive to outliers at the low end of the distribution even if the outlier has a very low enrollment; (2) all seven of the disparity indexes are sensitive to outliers at the low end of the distribution if the enrollment is large enough; (3) the McLoone index and perhaps the federal range ratio are not very sensitive to outliers at the high end of the distribution; (4) the coefficient of variation, the Gini coefficient, the Theil coefficient, Atkinson's index with a small E and Atkinson's index with a large E are sensitive to outliers at the high end of the distribution with large enough enrollment; and (5) the coefficient of variation appeared to be the only disparity measure that was affected by an outlier with a low enrollment at the high end of the instructional expenditures distribution.

Regional and national disparity. The seven disparity measures were calculated for each of the four regions. The results were consistent with the results for the individual states. For three of the regions, all seven disparity measures decreased from 1980 to 1994. The exception was with the Midwest region. Within that region, two of the disparity measures indicated slightly increased disparity.

The seven disparity measures were also calculated for the United States as a whole. The disparity measures already examined have indicated that disparity has decreased within most states and regions. However, for all United States school districts, six of the seven disparity measures showed increasing disparity from 1980 to 1994. There is at least one other study that corroborates the finding that disparity fell within most of the states from the early 1980s to the early 1990s, but disparity in the United States as a whole increased. Murray, Evans and Schwab⁹ calculated a Theil coefficient for current expenditures for the United States for five years from 1972 to 1992. For each of those five years, they decomposed the Thiel index to show the disparity due to differences within states and disparity due to differences across states. They found that within state disparity fell from 1982 to 1992, but disparity across states increased.

There is evidence that expenditures increased at different rates in different parts of the country. While the percent change in median instructional expenditure per pupil in the South and Midwest were identical at 7.2 percent, the percent change in the Northeast region was considerably higher (8.8 percent) and that in the West was somewhat lower (6.0 percent).

Elementary Districts

During the time period under examination, there were significantly fewer elementary school districts than unified districts. For example, in 1980, 25 percent of the districts were elementary school districts (table A3.2.1) and 71 per cent were unified (A3.1.1). Many states had fewer than ten elementary school districts each year and some had none. However, a small number of states had many elementary school districts: for example, both Illinois and Maine had approximately the same number of elementary school districts as unified school districts, and Vermont had many more elementary school districts than unified school districts.

Twenty-three states had at least three elementary districts in both 1980 and 1994. Eight of those states had all seven of the disparity measures indicating decreased disparity and another six had four, five or six measures indicating decreased disparity. (See tables A3.2.8 through A3.2.14.) Of the nine states with a majority of measures indicating increasing disparity, four were in the Midwest, three were in the Northeast, and two were in the West. Some of the states for which a majority of disparity measures indicated increasing disparity were also some of the states which had a substantial number of elementary districts, such as Illinois, Maine and Vermont.

Secondary Districts

During the time period under examination, there were far fewer secondary districts than either elementary or unified. For example, in 1980, only 4 percent of all districts in the United States were secondary school districts (table A3.3.1). Most states had few or no secondary school districts; in 1980, only sixteen had more than three. However, a small number of states had a significant number of secondary school districts. For example, in 1980, over 55 percent of all secondary districts were in just three states: California, Illinois, and Montana.

Of the fourteen states which had at least three secondary districts in both 1980 and 1994, five had a majority of disparity measures indicating less disparity in 1994 than in 1980. The remaining eight states had a majority of disparity measures indicating increasing disparity with

four in the Northeast, two in the Midwest, one in the South, and two in the West.

Summary

Four main conclusions arise from this study. First, disparity in instructional expenditures among school districts seems to have decreased within many, but not all, the states between 1980 and 1994. Second, in a small number of states, disparity seems to have increased during the same period of time. Third, in a significant number of states, the disparity measures lead to inconsistent results. And fourth, disparity among school districts seems to have increased for the nation as a whole due, in part, to differences in the growth path for instructional expenditures per pupil in different parts of the county.

For each of the states for which the disparity measures fell, the decline in disparity does not necessarily mean the state has a more equitable distribution of education expenditures as the percentage and distribution of special needs students may have changed over that period:

The other conclusions concern the database itself. Substantial problems with this database make financial analyses very challenging, particularly for the earlier years in the study. At a basic level, many districts were assigned erroneous codes that placed them in the wrong state, and there were other districts which had no state code at all. While a significant amount of editing was done, many problems remained. Another category of problems was the existence of outliers-- districts with either extremely large or small expenditures per pupil. These outliers, even small ones, can have a substantial impact on the results. The problems with this database are discussed further in the case study appendix A2.

Endnotes

¹G. Alan Hickrod, Ramesh Chaudhari, Gwen Pruyne, and Jin Meng. "The Effect of Constitutional Litigation on Educational Finance: A Further Analysis." *Selected Papers in School Finance 1995*. pp. 39–54, edited by William Fowler, Jr. Washington, DC: 1997.

² There was no sample weight for California in 1993–94.

³ Robert Berne and Leanna Stiefel. *The Measurement of Equity in School Finance: Conceptual, Methodological, and Empirical Dimensions*. Johns Hopkins University Press, Baltimore, Maryland: 1984.

⁴ Education Commission of the States. *Equity in School Finance*. p. 20 Denver, CO: 1979.

⁵ Theil, Henri. *Theory and Measurement of Consumer Demand: Volume 1*. North-Holland Publishing Company, Amsterdam: 1975.

⁶ Although named "Rucker Elementary," this district is unified according to its district type classification.

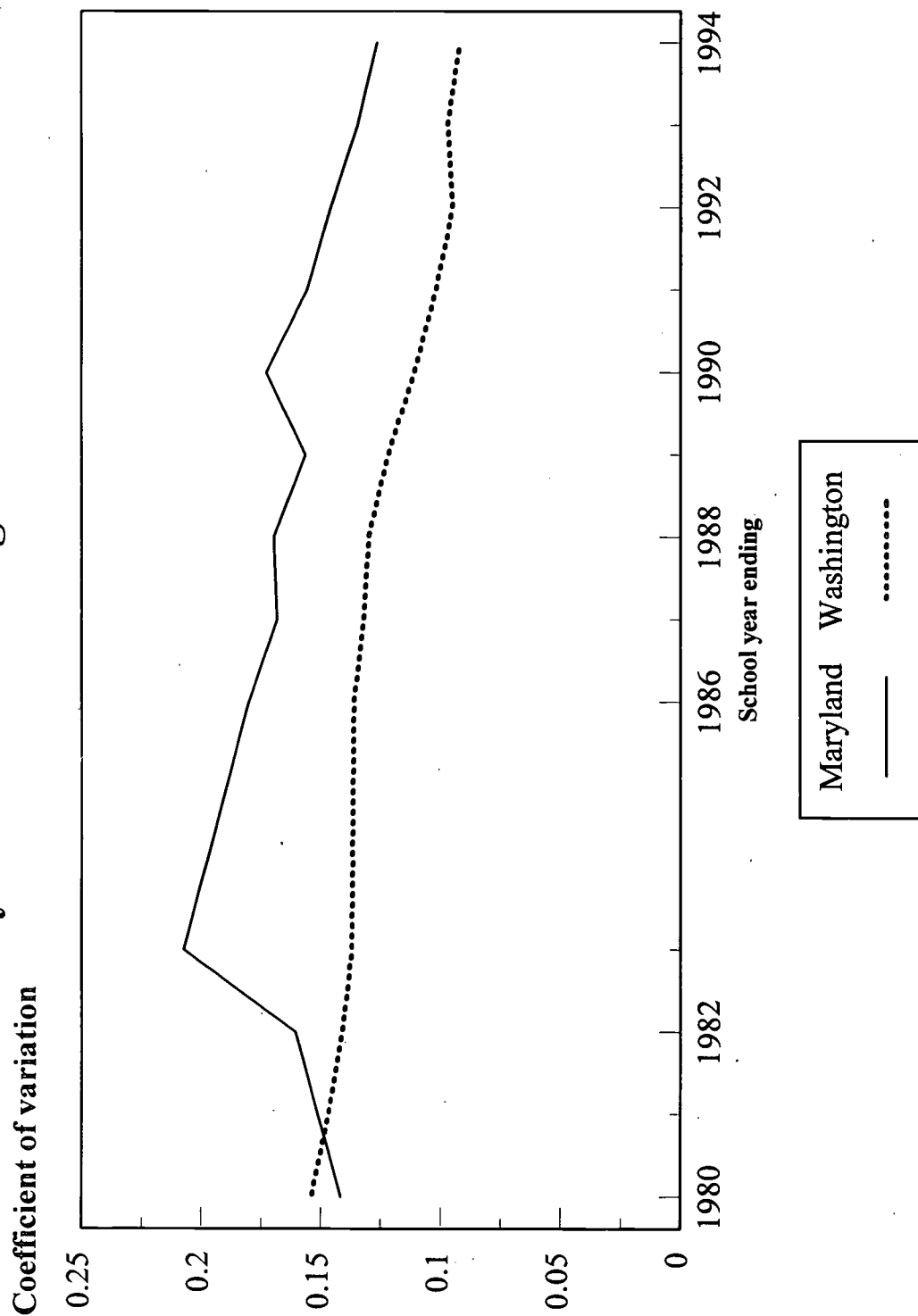
⁷ The state instructional expenditure per pupil and the state enrollment both include "Brevard County School District."

⁸ The state instructional expenditure per pupil and the state enrollment both include "Cherry Creek School Distribution 5".

⁹ Sheila E. Murray, William N. Evans, and Robert M. Schwab, "Education-Finance Reform and the Distribution of Education Resources," in *American Economic Review*, September 1998, 88(4), pp. 789–812.

Figure

**Figure 1. Coefficient of variation for unified districts
for Maryland and Washington: 1980 to 1994**



SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Tables

Table 1.—States for which F-33 is a sample: 1980 through 1983 and 1986 through 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
(An X denotes a sample)													
United States		X		X	X		X	X		X		X	X
Alabama		X		X									
Alaska		X	X	X	X								
Arizona		X		X	X		X	X		X			
Arkansas		X		X	X		X	X		X		X	X
California													X
Colorado		X		X	X		X	X		X		X	X
Connecticut													
Delaware													
Dist. of Columbia													
Florida													
Georgia		X		X	X		X	X		X		X	
Hawaii													
Idaho		X											
Illinois													
Indiana		X		X	X		X	X					
Iowa													
Kansas													
Kentucky		X		X	X		X	X		X		X	X
Louisiana													
Maine													
Maryland													
Massachusetts													
Michigan													
Minnesota													
Mississippi		X		X	X		X	X		X		X	
Missouri													
Montana		X		X	X		X	X		X			
Nebraska													
Nevada													
New Hampshire		X											
New Jersey		X		X	X		X	X		X		X	X
New Mexico		X		X	X		X	X		X		X	X
New York													
North Carolina													
North Dakota		X		X									
Ohio													
Oklahoma		X		X	X		X	X		X		X	X
Oregon		X		X	X		X	X		X			
Pennsylvania													
Rhode Island													
South Carolina		X		X	X		X	X					
South Dakota		X		X	X		X	X		X		X	X
Tennessee													
Texas													
Utah		X		X	X		X						
Vermont		X		X	X								
Virginia													
Washington													
West Virginia				X									
Wisconsin													
Wyoming													

NOTE: Blank cells indicate that the universe was surveyed for that case in that year.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

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Table 2.—Minimum and maximum instructional expenditures per pupil used to exclude outlier districts and the number of districts excluded: 1980 to 1994

Minimum instructional expenditures			Maximum instructional expenditures	
	Level	Number of districts excluded	Level	Number of districts excluded
1980	\$500	34	\$20,000	1
1981	600	40	20,000	2
1982	600	44	20,000	22
1983	600	20	20,000	4
1986	700	13	20,000	3
1987	700	33	20,000	3
1988	900	31	20,000	3
1989	1,100	40	20,000	3
1990	1,200	43	20,000	8
1991	1,300	28	20,000	15
1992	1,300	25	20,000	14
1993	1,300	4	20,000	3
1994	1,300	4	20,000	0

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table 3.—Coefficient of variation for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.264	0.253	0.258	0.285	0.304	0.315	0.315	0.323	0.317	0.331	0.322	0.312	0.306
Northeast	0.274	0.264	0.276	0.289	0.274	0.267	0.273	0.283	0.278	0.291	0.268	0.240	0.241
Midwest	0.212	0.189	0.247	0.202	0.235	0.253	0.228	0.212	0.206	0.235	0.194	0.209	0.224
South	0.205	0.207	0.212	0.235	0.206	0.249	0.248	0.235	0.212	0.211	0.194	0.186	0.173
West	0.252	0.245	0.221	0.261	0.258	0.222	0.231	0.227	0.232	0.210	0.207	0.195	0.176
Alabama	0.105	0.096	0.109	0.089	0.080	0.091	0.163	0.106	0.107	0.099	0.105	0.104	0.105
Alaska	0.456	0.345	0.285	0.391	0.339	0.343	0.402	0.395	0.379	0.353	0.301	0.344	0.327
Arizona	0.152	0.131	0.158	0.163	0.146	0.125	0.192	0.112	0.137	0.126	0.112	0.111	0.110
Arkansas	0.161	0.156	0.150	0.147	0.105	0.110	0.093	0.121	0.121	0.143	0.114	0.113	0.124
California	0.132	0.129	0.119	0.109	0.102	0.103	0.137	0.154	0.162	0.159	0.156	0.135	0.089
Colorado	0.196	0.180	0.176	0.159	0.171	0.158	0.136	0.107	0.108	0.104	0.109	0.101	0.097
Connecticut	0.176	0.177	0.179	0.180	0.168	0.138	0.133	0.127	0.126	0.135	0.130	0.134	0.133
Delaware	0.179	0.144	0.110	0.174	0.136	0.137	0.138	0.113	0.115	0.096	0.074	0.134	0.112
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.113	0.097	0.101	0.105	0.111	0.101	0.099	0.103	0.112	0.122	0.121	0.110	0.105
Georgia	0.162	0.168	0.157	0.142	0.145	0.178	0.153	0.156	0.156	0.157	0.154	0.149	0.148
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.143	0.123	0.151	0.144	0.183	0.171	0.171	0.169	0.164	0.148	0.143	0.149	0.154
Illinois	0.173	0.119	0.121	0.128	0.177	0.148	0.143	0.146	0.155	0.176	0.180	0.209	0.176
Indiana	0.189	0.158	0.160	0.168	0.153	0.161	0.147	0.150	0.146	0.153	0.142	0.153	0.153
Iowa	0.098	0.093	0.086	0.089	0.091	0.095	0.091	0.100	0.096	0.084	0.087	0.099	0.082
Kansas	0.140	0.141	0.143	0.145	0.148	0.154	0.147	0.143	0.158	0.156	0.158	0.152	0.172
Kentucky	0.182	0.189	0.165	0.151	0.164	0.170	0.172	0.179	0.157	0.127	0.135	0.135	0.142
Louisiana	0.119	0.101	0.105	0.113	0.116	0.118	0.124	0.109	0.121	0.113	0.127	0.110	0.101
Maine	0.148	0.152	0.184	0.153	0.152	0.142	0.138	0.130	0.129	0.123	0.123	0.132	0.130
Maryland	0.142	0.151	0.161	0.207	0.180	0.168	0.170	0.156	0.173	0.156	0.146	0.135	0.127
Massachusetts	0.196	0.195	0.183	0.221	0.203	0.210	0.233	0.240	0.243	0.222	0.232	0.251	0.186
Michigan	0.176	0.189	0.207	0.184	0.182	0.191	0.190	0.195	0.202	0.206	0.178	0.177	0.161
Minnesota	0.218	0.142	0.546	0.179	0.134	0.136	0.124	0.126	0.124	0.134	0.130	0.144	0.162
Mississippi	0.124	0.116	0.117	0.102	0.131	0.112	0.096	0.120	0.093	0.087	0.102	0.118	0.098
Missouri	0.200	0.177	0.184	0.185	0.352	0.427	0.207	0.212	0.206	0.449	0.235	0.236	0.476
Montana	0.209	0.053	0.127	(²)	(²)	0.085	(¹)	0.110	0.148	(¹)	(¹)	0.357	0.306
Nebraska	0.159	0.168	0.165	0.161	0.168	0.174	0.165	0.162	0.160	0.161	0.158	0.161	0.154
Nevada	0.046	0.060	0.083	0.081	0.106	0.081	0.080	0.085	0.096	0.088	0.088	0.085	0.095
New Hampshire	0.136	0.143	0.174	0.143	0.151	0.145	0.136	0.135	0.137	0.145	0.158	0.166	0.151
New Jersey	0.149	0.152	0.146	0.152	0.160	0.150	0.169	0.177	0.174	0.190	0.185	0.138	0.126
New Mexico	0.095	0.099	0.178	0.125	0.066	0.107	0.089	0.120	0.129	0.176	0.135	0.114	0.107
New York	0.253	0.249	0.253	0.259	0.212	0.202	0.209	0.203	0.205	0.193	0.208	0.188	0.177
North Carolina	0.091	0.084	0.082	0.081	0.076	0.079	0.081	0.087	0.090	0.085	0.204	0.079	0.077
North Dakota	0.138	0.119	0.155	0.139	0.171	0.150	0.162	0.152	0.156	0.182	0.173	0.181	0.177
Ohio	0.228	0.225	0.216	0.217	0.198	0.200	0.175	0.197	0.197	0.192	0.190	0.236	0.187
Oklahoma	0.174	0.125	0.159	0.118	0.119	0.136	0.106	0.105	0.142	0.096	0.138	0.104	0.108
Oregon	0.277	0.084	0.099	0.103	0.084	0.107	0.087	0.094	0.102	0.100	0.111	0.092	0.103
Pennsylvania	0.210	0.210	0.183	0.197	0.185	0.189	0.197	0.198	0.198	0.194	0.179	0.179	0.184
Rhode Island	0.107	0.116	0.111	0.103	0.119	0.117	0.130	0.122	0.084	0.084	0.078	0.083	0.092
South Carolina	0.198	0.115	0.101	0.091	0.083	0.078	0.093	0.090	0.101	0.108	0.107	0.092	0.096
South Dakota	0.138	0.119	0.136	0.110	0.156	0.155	0.190	0.113	0.140	0.103	0.161	0.130	0.114
Tennessee	0.194	0.210	0.187	0.185	0.181	0.184	0.192	0.188	0.170	0.174	0.165	0.149	0.134
Texas	0.175	0.185	0.183	0.178	0.145	0.145	0.139	0.136	0.148	0.134	0.124	0.115	0.118
Utah	0.108	0.113	0.140	(²)	0.093	0.109	0.101	0.107	0.094	0.101	0.098	0.103	0.097
Vermont	0.248	0.212	0.206	0.238	0.275	0.323	0.260	0.236	0.192	0.189	0.187	0.199	0.194
Virginia	0.215	0.209	0.191	0.186	0.190	0.191	0.198	0.204	0.174	0.170	0.169	0.152	0.154
Washington	0.154	0.147	0.141	0.137	0.136	0.132	0.130	0.122	0.111	0.102	0.095	0.097	0.092
West Virginia	0.092	0.090	0.089	0.093	0.086	0.081	0.083	0.070	0.083	0.082	0.056	0.060	0.056
Wisconsin	0.120	0.135	0.167	0.154	0.131	0.127	0.155	0.120	0.115	0.127	0.115	0.120	0.117
Wyoming	0.127	0.125	0.143	0.173	0.163	0.215	0.158	0.160	0.161	0.172	0.169	0.146	0.136

¹ One unified district.² No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table 4.—Gini coefficient for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.137	0.133	0.133	0.147	0.155	0.164	0.162	0.164	0.160	0.165	0.162	0.159	0.152
Northeast	0.149	0.144	0.151	0.158	0.148	0.144	0.146	0.153	0.150	0.159	0.142	0.130	0.132
Midwest	0.117	0.105	0.119	0.109	0.122	0.128	0.123	0.117	0.113	0.118	0.107	0.113	0.110
South	0.110	0.112	0.117	0.124	0.111	0.133	0.129	0.123	0.115	0.115	0.101	0.097	0.091
West	0.110	0.111	0.105	0.110	0.118	0.106	0.112	0.111	0.117	0.107	0.109	0.103	0.089
Alabama	0.059	0.053	0.060	0.046	0.043	0.049	0.090	0.054	0.055	0.052	0.056	0.056	0.057
Alaska	0.186	0.153	0.098	0.175	0.148	0.136	0.170	0.176	0.165	0.155	0.130	0.155	0.151
Arizona	0.078	0.060	0.078	0.080	0.080	0.065	0.092	0.060	0.064	0.061	0.051	0.049	0.050
Arkansas	0.086	0.086	0.080	0.079	0.057	0.057	0.051	0.065	0.063	0.075	0.059	0.059	0.065
California	0.073	0.071	0.066	0.058	0.056	0.053	0.075	0.083	0.088	0.087	0.085	0.074	0.047
Colorado	0.099	0.093	0.090	0.080	0.092	0.087	0.077	0.057	0.055	0.057	0.057	0.057	0.055
Connecticut	0.097	0.096	0.099	0.099	0.093	0.076	0.071	0.071	0.070	0.075	0.072	0.074	0.075
Delaware	0.092	0.074	0.062	0.097	0.073	0.073	0.075	0.060	0.063	0.052	0.041	0.060	0.057
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.063	0.055	0.057	0.058	0.063	0.055	0.053	0.057	0.061	0.068	0.067	0.061	0.059
Georgia	0.090	0.094	0.083	0.078	0.080	0.097	0.083	0.082	0.082	0.081	0.082	0.081	0.077
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.079	0.069	0.079	0.076	0.094	0.085	0.084	0.084	0.081	0.074	0.075	0.077	0.082
Illinois	0.097	0.063	0.064	0.067	0.093	0.080	0.077	0.079	0.084	0.098	0.100	0.116	0.097
Indiana	0.093	0.090	0.091	0.096	0.087	0.084	0.078	0.081	0.079	0.080	0.079	0.081	0.080
Iowa	0.055	0.052	0.049	0.050	0.051	0.053	0.051	0.054	0.054	0.047	0.049	0.055	0.045
Kansas	0.075	0.076	0.076	0.077	0.077	0.083	0.076	0.076	0.081	0.082	0.085	0.081	0.083
Kentucky	0.098	0.103	0.091	0.078	0.091	0.093	0.093	0.098	0.084	0.070	0.075	0.075	0.078
Louisiana	0.065	0.053	0.058	0.063	0.064	0.065	0.070	0.061	0.069	0.063	0.072	0.061	0.056
Maine	0.080	0.081	0.086	0.085	0.081	0.075	0.076	0.072	0.071	0.068	0.069	0.072	0.073
Maryland	0.077	0.081	0.087	0.109	0.092	0.088	0.084	0.082	0.084	0.078	0.068	0.066	0.060
Massachusetts	0.105	0.104	0.101	0.115	0.109	0.111	0.124	0.127	0.130	0.120	0.127	0.138	0.098
Michigan	0.099	0.106	0.116	0.100	0.097	0.101	0.098	0.099	0.104	0.105	0.094	0.091	0.085
Minnesota	0.074	0.079	0.124	0.088	0.074	0.076	0.070	0.070	0.068	0.072	0.073	0.079	0.077
Mississippi	0.070	0.066	0.065	0.058	0.071	0.059	0.054	0.059	0.053	0.050	0.056	0.062	0.055
Missouri	0.110	0.093	0.095	0.096	0.127	0.132	0.115	0.116	0.113	0.152	0.126	0.128	0.151
Montana	0.103	0.024	0.036	(²)	(²)	0.023	(¹)	0.038	0.042	(¹)	(¹)	0.168	0.146
Nebraska	0.080	0.083	0.084	0.083	0.082	0.088	0.087	0.083	0.085	0.085	0.082	0.081	0.079
Nevada	0.017	0.025	0.024	0.035	0.040	0.025	0.025	0.028	0.028	0.026	0.028	0.023	0.030
New Hampshire	0.076	0.081	0.089	0.081	0.080	0.077	0.075	0.074	0.076	0.079	0.087	0.090	0.083
New Jersey	0.082	0.086	0.082	0.086	0.089	0.085	0.085	0.091	0.090	0.094	0.083	0.077	0.071
New Mexico	0.046	0.050	0.097	0.069	0.034	0.049	0.046	0.058	0.062	0.081	0.065	0.055	0.055
New York	0.134	0.131	0.131	0.135	0.102	0.097	0.099	0.098	0.100	0.098	0.095	0.089	0.088
North Carolina	0.051	0.047	0.046	0.045	0.042	0.043	0.045	0.048	0.049	0.045	0.051	0.042	0.042
North Dakota	0.073	0.065	0.077	0.079	0.077	0.070	0.078	0.077	0.079	0.086	0.084	0.087	0.084
Ohio	0.126	0.124	0.120	0.119	0.107	0.110	0.095	0.108	0.109	0.107	0.098	0.116	0.100
Oklahoma	0.085	0.067	0.078	0.061	0.063	0.067	0.054	0.054	0.065	0.051	0.068	0.051	0.047
Oregon	0.060	0.047	0.054	0.058	0.046	0.058	0.048	0.052	0.054	0.057	0.059	0.049	0.052
Pennsylvania	0.118	0.118	0.100	0.105	0.102	0.104	0.107	0.108	0.108	0.107	0.098	0.099	0.100
Rhode Island	0.060	0.066	0.062	0.058	0.063	0.061	0.071	0.067	0.045	0.046	0.039	0.040	0.047
South Carolina	0.074	0.064	0.055	0.047	0.043	0.043	0.050	0.047	0.050	0.055	0.053	0.049	0.052
South Dakota	0.071	0.065	0.072	0.061	0.076	0.075	0.074	0.058	0.069	0.052	0.078	0.064	0.056
Tennessee	0.108	0.115	0.104	0.102	0.100	0.102	0.105	0.103	0.094	0.097	0.091	0.083	0.074
Texas	0.093	0.096	0.096	0.091	0.073	0.073	0.070	0.067	0.070	0.064	0.060	0.057	0.059
Utah	0.056	0.054	0.062	(²)	0.043	0.049	0.047	0.050	0.042	0.043	0.043	0.044	0.049
Vermont	0.132	0.117	0.116	0.131	0.151	0.164	0.137	0.118	0.104	0.095	0.099	0.106	0.102
Virginia	0.110	0.108	0.086	0.083	0.101	0.103	0.104	0.105	0.091	0.089	0.089	0.079	0.081
Washington	0.084	0.080	0.076	0.073	0.069	0.066	0.064	0.060	0.051	0.046	0.042	0.046	0.043
West Virginia	0.052	0.051	0.050	0.051	0.046	0.045	0.046	0.038	0.044	0.042	0.029	0.031	0.031
Wisconsin	0.066	0.074	0.093	0.086	0.074	0.071	0.085	0.067	0.065	0.069	0.064	0.067	0.066
Wyoming	0.070	0.068	0.077	0.090	0.084	0.098	0.076	0.076	0.076	0.077	0.074	0.065	0.059

¹ One unified district.² No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table 5.—Thiel coefficient for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.031	0.029	0.030	0.037	0.041	0.045	0.044	0.046	0.044	0.048	0.045	0.043	0.041
Northeast	0.036	0.033	0.036	0.040	0.036	0.034	0.035	0.038	0.037	0.040	0.034	0.028	0.028
Midwest	0.022	0.017	0.025	0.020	0.025	0.028	0.025	0.022	0.020	0.024	0.018	0.021	0.022
South	0.020	0.020	0.022	0.026	0.020	0.029	0.028	0.026	0.022	0.021	0.017	0.016	0.014
West	0.025	0.025	0.021	0.027	0.028	0.022	0.023	0.023	0.025	0.021	0.020	0.018	0.014
Alabama	0.005	0.005	0.006	0.004	0.003	0.004	0.013	0.005	0.005	0.005	0.005	0.005	0.005
Alaska	0.080	0.051	0.031	0.065	0.050	0.048	0.066	0.065	0.060	0.052	0.038	0.050	0.046
Arizona	0.011	0.008	0.012	0.012	0.010	0.008	0.017	0.006	0.008	0.007	0.006	0.006	0.006
Arkansas	0.012	0.012	0.011	0.010	0.005	0.006	0.004	0.007	0.007	0.010	0.006	0.006	0.007
California	0.009	0.008	0.007	0.006	0.005	0.005	0.009	0.011	0.013	0.012	0.012	0.009	0.004
Colorado	0.018	0.015	0.015	0.012	0.014	0.012	0.009	0.006	0.006	0.005	0.006	0.005	0.005
Connecticut	0.015	0.015	0.016	0.016	0.014	0.009	0.009	0.008	0.008	0.009	0.008	0.009	0.009
Delaware	0.017	0.011	0.006	0.016	0.010	0.010	0.010	0.007	0.007	0.005	0.003	0.008	0.006
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.007	0.007	0.006	0.005
Georgia	0.013	0.014	0.012	0.010	0.010	0.015	0.011	0.012	0.012	0.012	0.011	0.011	0.010
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.010	0.007	0.011	0.010	0.015	0.013	0.013	0.013	0.012	0.010	0.010	0.010	0.011
Illinois	0.015	0.007	0.007	0.008	0.015	0.011	0.010	0.011	0.012	0.016	0.016	0.022	0.016
Indiana	0.016	0.013	0.013	0.014	0.012	0.012	0.010	0.011	0.010	0.011	0.010	0.011	0.011
Iowa	0.005	0.004	0.004	0.004	0.004	0.004	0.004	0.005	0.005	0.004	0.004	0.005	0.003
Kansas	0.009	0.010	0.010	0.010	0.010	0.011	0.010	0.010	0.012	0.012	0.012	0.011	0.014
Kentucky	0.016	0.017	0.013	0.011	0.013	0.014	0.014	0.016	0.012	0.008	0.009	0.009	0.010
Louisiana	0.007	0.005	0.006	0.006	0.007	0.007	0.008	0.006	0.007	0.006	0.008	0.006	0.005
Maine	0.011	0.011	0.014	0.011	0.011	0.010	0.009	0.008	0.008	0.008	0.007	0.008	0.008
Maryland	0.010	0.011	0.012	0.020	0.015	0.013	0.013	0.012	0.014	0.011	0.010	0.009	0.008
Massachusetts	0.018	0.018	0.016	0.023	0.020	0.021	0.025	0.027	0.028	0.023	0.026	0.030	0.016
Michigan	0.015	0.018	0.021	0.016	0.016	0.018	0.017	0.018	0.019	0.020	0.015	0.015	0.012
Minnesota	0.014	0.010	0.063	0.015	0.009	0.009	0.008	0.008	0.007	0.009	0.008	0.010	0.011
Mississippi	0.008	0.007	0.007	0.005	0.009	0.006	0.005	0.007	0.004	0.004	0.005	0.007	0.005
Missouri	0.019	0.014	0.016	0.016	0.040	0.051	0.021	0.022	0.020	0.060	0.026	0.026	0.065
Montana	0.020	0.001	0.010	(²)	(²)	0.004	(¹)	0.006	0.013	(¹)	(¹)	0.054	0.040
Nebraska	0.012	0.013	0.013	0.012	0.013	0.014	0.013	0.012	0.012	0.012	0.012	0.012	0.011
Nevada	0.001	0.002	0.003	0.003	0.005	0.003	0.003	0.003	0.004	0.003	0.003	0.003	0.004
New Hampshire	0.009	0.010	0.014	0.010	0.011	0.010	0.009	0.009	0.009	0.010	0.012	0.014	0.011
New Jersey	0.011	0.012	0.011	0.012	0.013	0.011	0.013	0.014	0.014	0.016	0.014	0.009	0.008
New Mexico	0.004	0.005	0.016	0.008	0.002	0.005	0.004	0.007	0.008	0.014	0.008	0.006	0.006
New York	0.029	0.028	0.029	0.030	0.020	0.018	0.019	0.019	0.019	0.017	0.019	0.016	0.015
North Carolina	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.012	0.003	0.003
North Dakota	0.009	0.007	0.011	0.010	0.013	0.010	0.012	0.011	0.011	0.015	0.013	0.015	0.014
Ohio	0.025	0.024	0.023	0.023	0.019	0.019	0.015	0.019	0.019	0.018	0.017	0.025	0.017
Oklahoma	0.014	0.008	0.012	0.007	0.007	0.009	0.005	0.005	0.009	0.004	0.009	0.005	0.005
Oregon	0.015	0.004	0.005	0.005	0.004	0.006	0.004	0.004	0.005	0.005	0.006	0.004	0.005
Pennsylvania	0.022	0.022	0.016	0.018	0.017	0.017	0.019	0.019	0.019	0.018	0.015	0.016	0.016
Rhode Island	0.006	0.007	0.006	0.005	0.007	0.007	0.008	0.008	0.003	0.003	0.003	0.003	0.004
South Carolina	0.015	0.007	0.005	0.004	0.003	0.003	0.004	0.004	0.005	0.006	0.005	0.004	0.005
South Dakota	0.009	0.007	0.009	0.006	0.011	0.011	0.014	0.006	0.009	0.005	0.012	0.008	0.006
Tennessee	0.018	0.021	0.017	0.017	0.016	0.016	0.018	0.017	0.014	0.015	0.013	0.011	0.009
Texas	0.014	0.016	0.016	0.015	0.010	0.010	0.009	0.009	0.010	0.008	0.007	0.006	0.007
Utah	0.006	0.006	0.009	(²)	0.004	0.006	0.005	0.005	0.004	0.005	0.004	0.005	0.004
Vermont	0.030	0.023	0.022	0.028	0.036	0.049	0.032	0.024	0.018	0.016	0.016	0.019	0.018
Virginia	0.021	0.020	0.016	0.015	0.017	0.018	0.019	0.019	0.014	0.014	0.013	0.011	0.011
Washington	0.011	0.010	0.010	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.004	0.004	0.004
West Virginia	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.002
Wisconsin	0.007	0.009	0.014	0.012	0.008	0.008	0.012	0.007	0.007	0.008	0.007	0.007	0.007
Wyoming	0.008	0.008	0.010	0.015	0.012	0.020	0.011	0.012	0.012	0.013	0.013	0.010	0.008

¹ One unified district.² No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table 6.—Federal range ratios for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1.135	1.113	1.164	1.338	1.470	1.586	1.514	1.605	1.715	1.719	1.491	1.486	1.416
Northeast	1.453	1.381	1.376	1.452	1.369	1.304	1.364	1.454	1.375	1.406	1.352	1.191	1.184
Midwest	0.900	0.815	0.957	0.989	1.036	1.077	1.019	0.947	0.891	0.960	0.862	0.955	0.886
South	0.853	0.878	0.964	0.944	0.916	1.155	1.141	1.051	1.006	0.970	0.806	0.777	0.697
West	1.020	0.854	0.921	0.826	0.926	0.859	0.951	1.083	1.208	1.164	0.990	0.875	0.671
Alabama	0.400	0.335	0.342	0.271	0.281	0.302	0.565	0.396	0.397	0.385	0.392	0.370	0.380
Alaska	1.810	1.072	0.816	1.347	1.110	1.292	1.570	1.534	1.621	1.410	1.234	1.441	1.324
Arizona	0.496	0.289	0.590	0.440	0.402	0.387	0.999	0.414	0.529	0.338	0.425	0.432	0.432
Arkansas	0.772	0.634	0.637	0.607	0.387	0.426	0.264	0.474	0.507	0.621	0.511	0.472	0.531
California	0.479	0.504	0.422	0.317	0.315	0.294	0.485	0.545	0.583	0.563	0.530	0.460	0.271
Colorado	0.872	0.743	0.752	0.664	0.741	0.531	0.479	0.364	0.327	0.412	0.362	0.379	0.372
Connecticut	0.700	0.752	0.806	0.795	0.801	0.623	0.543	0.476	0.465	0.494	0.447	0.506	0.495
Delaware	0.577	0.445	0.387	0.632	0.396	0.424	0.419	0.352	0.466	0.329	0.273	0.284	0.298
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.423	0.313	0.359	0.385	0.426	0.355	0.348	0.364	0.390	0.395	0.432	0.376	0.382
Georgia	0.673	0.675	0.702	0.549	0.612	0.764	0.586	0.608	0.669	0.650	0.669	0.647	0.724
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.533	0.460	0.565	0.526	0.674	0.579	0.571	0.555	0.494	0.510	0.500	0.496	0.505
Illinois	0.658	0.477	0.458	0.511	0.721	0.526	0.539	0.501	0.543	0.649	0.698	0.813	0.644
Indiana	0.635	0.582	0.587	0.640	0.587	0.596	0.520	0.585	0.535	0.521	0.503	0.550	0.476
Iowa	0.336	0.315	0.327	0.320	0.302	0.326	0.315	0.398	0.348	0.283	0.297	0.333	0.284
Kansas	0.542	0.523	0.498	0.542	0.569	0.564	0.519	0.571	0.609	0.602	0.602	0.652	0.643
Kentucky	0.652	0.689	0.607	0.576	0.552	0.603	0.546	0.622	0.617	0.451	0.480	0.469	0.460
Louisiana	0.447	0.451	0.410	0.434	0.460	0.447	0.496	0.356	0.495	0.393	0.437	0.399	0.422
Maine	0.565	0.596	0.541	0.722	0.560	0.527	0.530	0.496	0.502	0.450	0.536	0.546	0.514
Maryland	0.600	0.616	0.587	0.801	0.682	0.618	0.631	0.562	0.617	0.589	0.526	0.471	0.415
Massachusetts	0.829	0.853	0.687	0.982	0.872	1.007	1.050	1.102	1.079	0.947	0.959	1.084	0.719
Michigan	0.716	0.754	0.933	0.788	0.745	0.840	0.796	0.742	0.907	0.903	0.706	0.713	0.633
Minnesota	0.526	0.540	0.688	0.694	0.498	0.486	0.443	0.456	0.389	0.425	0.514	0.582	0.557
Mississippi	0.418	0.387	0.443	0.396	0.545	0.383	0.365	0.313	0.339	0.345	0.351	0.348	0.328
Missouri	0.748	0.611	0.649	0.692	0.899	0.874	0.869	0.934	0.942	1.194	1.178	1.042	1.071
Montana	0.572	0.187	0.100	(²)	(²)	0.457	(¹)	0.429	1.144	(¹)	(¹)	1.558	1.276
Nebraska	0.669	0.723	0.696	0.731	0.709	0.776	0.728	0.686	0.595	0.585	0.664	0.582	0.569
Nevada	0.130	0.159	0.248	0.137	0.228	0.114	0.136	0.133	0.168	0.130	0.161	0.133	0.181
New Hampshire	0.598	0.553	0.603	0.538	0.587	0.522	0.548	0.562	0.602	0.605	0.758	0.926	0.565
New Jersey	0.601	0.664	0.625	0.663	0.705	0.672	0.668	0.690	0.685	0.695	0.574	0.553	0.474
New Mexico	0.334	0.518	0.998	0.344	0.211	0.373	0.279	0.305	0.377	0.725	0.464	0.293	0.240
New York	1.055	1.003	1.011	1.029	0.940	0.829	0.832	0.843	0.852	0.842	0.797	0.755	0.721
North Carolina	0.325	0.323	0.280	0.316	0.254	0.267	0.281	0.310	0.297	0.281	0.275	0.260	0.259
North Dakota	0.509	0.504	0.467	0.534	0.490	0.467	0.575	0.568	0.574	0.597	0.583	0.585	0.547
Ohio	0.967	1.021	0.914	0.842	0.697	0.791	0.635	0.716	0.775	0.758	0.712	0.783	0.687
Oklahoma	0.577	0.402	0.508	0.361	0.382	0.467	0.290	0.278	0.439	0.264	0.496	0.341	0.288
Oregon	0.306	0.267	0.344	0.329	0.342	0.344	0.327	0.410	0.339	0.341	0.407	0.303	0.316
Pennsylvania	0.780	0.968	0.749	0.877	0.794	0.778	0.941	0.934	0.857	0.797	0.743	0.714	0.721
Rhode Island	0.406	0.411	0.462	0.373	0.365	0.345	0.454	0.432	0.289	0.341	0.302	0.254	0.247
South Carolina	0.467	0.493	0.365	0.313	0.304	0.278	0.303	0.294	0.332	0.358	0.355	0.313	0.321
South Dakota	0.474	0.412	0.462	0.392	0.505	0.570	0.465	0.446	0.558	0.442	0.536	0.406	0.436
Tennessee	0.810	0.943	0.760	0.705	0.701	0.763	0.807	0.820	0.667	0.692	0.618	0.524	0.511
Texas	0.635	0.713	0.731	0.706	0.496	0.480	0.463	0.436	0.450	0.426	0.397	0.414	0.401
Utah	0.385	0.410	0.576	(²)	0.390	0.375	0.304	0.324	0.253	0.269	0.251	0.266	0.299
Vermont	0.798	0.765	0.960	1.248	1.229	2.605	1.015	0.989	0.860	0.745	0.894	0.953	0.756
Virginia	0.641	0.643	0.536	0.467	0.743	0.688	0.694	0.632	0.543	0.513	0.564	0.595	0.488
Washington	0.661	0.601	0.605	0.548	0.463	0.445	0.491	0.436	0.335	0.263	0.251	0.273	0.301
West Virginia	0.352	0.328	0.337	0.295	0.355	0.297	0.322	0.250	0.346	0.300	0.220	0.226	0.207
Wisconsin	0.438	0.537	0.681	0.595	0.494	0.482	0.628	0.456	0.452	0.552	0.469	0.513	0.487
Wyoming	0.511	0.441	0.518	0.630	0.457	0.570	0.508	0.531	0.475	0.607	0.496	0.358	0.452

¹ One unified district.² No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table 7.—McLoone index for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.839	0.836	0.835	0.829	0.842	0.824	0.846	0.848	0.847	0.843	0.852	0.858	0.866
Northeast	0.804	0.821	0.815	0.808	0.800	0.812	0.807	0.787	0.805	0.788	0.791	0.812	0.816
Midwest	0.843	0.861	0.853	0.857	0.859	0.859	0.855	0.847	0.860	0.853	0.856	0.848	0.856
South	0.875	0.871	0.864	0.850	0.848	0.842	0.847	0.861	0.844	0.855	0.875	0.896	0.903
West	0.864	0.865	0.872	0.873	0.855	0.866	0.868	0.866	0.870	0.878	0.853	0.858	0.880
Alabama	0.906	0.908	0.907	0.940	0.961	0.939	0.918	0.946	0.937	0.948	0.940	0.932	0.925
Alaska	0.909	0.974	0.987	0.935	0.992	0.951	0.897	0.877	0.949	0.910	0.893	0.886	0.878
Arizona	0.921	0.956	0.934	0.945	0.915	0.937	0.935	0.937	0.944	0.896	0.933	0.931	0.933
Arkansas	0.906	0.910	0.912	0.907	0.946	0.929	0.908	0.925	0.922	0.904	0.937	0.924	0.936
California	0.902	0.899	0.910	0.917	0.921	0.934	0.922	0.924	0.914	0.917	0.911	0.926	0.942
Colorado	0.896	0.900	0.896	0.918	0.881	0.899	0.918	0.930	0.937	0.936	0.924	0.907	0.933
Connecticut	0.872	0.899	0.892	0.911	0.898	0.907	0.907	0.893	0.916	0.904	0.914	0.925	0.919
Delaware	0.692	0.751	0.890	0.756	0.775	0.778	0.816	0.817	0.831	0.888	0.927	0.881	0.873
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.936	0.929	0.943	0.931	0.921	0.943	0.952	0.955	0.942	0.940	0.934	0.916	0.926
Georgia	0.907	0.917	0.917	0.887	0.923	0.891	0.913	0.923	0.914	0.920	0.919	0.899	0.928
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.904	0.926	0.909	0.926	0.906	0.926	0.900	0.917	0.919	0.930	0.934	0.935	0.934
Illinois	0.871	0.850	0.857	0.858	0.903	0.838	0.828	0.828	0.832	0.823	0.825	0.833	0.845
Indiana	0.866	0.861	0.871	0.853	0.850	0.885	0.891	0.870	0.911	0.899	0.894	0.895	0.893
Iowa	0.928	0.938	0.942	0.928	0.932	0.932	0.926	0.923	0.933	0.937	0.928	0.939	0.943
Kansas	0.890	0.878	0.902	0.915	0.917	0.870	0.933	0.909	0.894	0.891	0.887	0.868	0.880
Kentucky	0.919	0.918	0.926	0.923	0.914	0.913	0.929	0.928	0.924	0.940	0.936	0.923	0.915
Louisiana	0.912	0.907	0.895	0.889	0.872	0.886	0.891	0.917	0.911	0.898	0.890	0.936	0.919
Maine	0.896	0.916	0.921	0.878	0.914	0.908	0.907	0.927	0.928	0.913	0.921	0.913	0.914
Maryland	0.910	0.895	0.892	0.891	0.926	0.913	0.953	0.935	0.962	0.932	0.969	0.964	0.966
Massachusetts	0.893	0.897	0.901	0.903	0.895	0.889	0.892	0.882	0.885	0.881	0.858	0.828	0.873
Michigan	0.856	0.858	0.836	0.853	0.864	0.873	0.896	0.891	0.894	0.890	0.885	0.895	0.893
Minnesota	0.911	0.907	0.885	0.899	0.910	0.901	0.893	0.917	0.913	0.913	0.917	0.907	0.927
Mississippi	0.908	0.909	0.912	0.921	0.870	0.928	0.936	0.942	0.937	0.929	0.935	0.914	0.927
Missouri	0.871	0.883	0.880	0.867	0.889	0.891	0.898	0.888	0.887	0.871	0.871	0.875	0.882
Montana	0.881	0.966	0.409	(²)	(²)	(²)	(¹)	0.958	0.466	(¹)	(¹)	0.850	0.883
Nebraska	0.892	0.874	0.887	0.883	0.886	0.874	0.892	0.874	0.881	0.894	0.862	0.906	0.948
Nevada	0.966	0.966	0.980	0.986	(²)	(²)	(²)	(²)	0.994	(²)	(²)	(²)	(²)
New Hampshire	0.879	0.900	0.906	0.895	0.910	0.895	0.899	0.900	0.893	0.889	0.878	0.904	0.890
New Jersey	0.881	0.879	0.882	0.872	0.868	0.887	0.884	0.897	0.876	0.868	0.912	0.897	0.917
New Mexico	0.929	0.902	0.876	0.942	0.938	0.931	0.920	0.898	0.914	0.873	0.907	0.924	0.948
New York	0.868	0.873	0.875	0.872	0.844	0.856	0.867	0.871	0.853	0.823	0.903	0.878	0.891
North Carolina	0.940	0.942	0.946	0.956	0.959	0.949	0.942	0.943	0.947	0.951	0.949	0.951	0.952
North Dakota	0.903	0.885	0.900	0.848	0.922	0.917	0.931	0.910	0.898	0.908	0.924	0.905	0.918
Ohio	0.856	0.872	0.864	0.876	0.887	0.890	0.894	0.885	0.891	0.880	0.884	0.879	0.892
Oklahoma	0.897	0.907	0.902	0.909	0.913	0.923	0.932	0.938	0.932	0.907	0.912	0.911	0.924
Oregon	0.913	0.916	0.911	0.898	0.937	0.918	0.930	0.932	0.923	0.920	0.933	0.955	0.949
Pennsylvania	0.868	0.856	0.861	0.863	0.877	0.880	0.876	0.876	0.878	0.880	0.895	0.883	0.907
Rhode Island	0.925	0.896	0.898	0.912	0.904	0.904	0.887	0.883	0.954	0.956	0.951	0.959	0.949
South Carolina	0.928	0.918	0.922	0.945	0.952	0.949	0.936	0.948	0.938	0.938	0.939	0.942	0.943
South Dakota	0.914	0.932	0.909	0.921	0.899	0.914	0.917	0.939	0.916	0.934	0.918	0.919	0.927
Tennessee	0.896	0.892	0.894	0.882	0.896	0.878	0.914	0.903	0.889	0.884	0.909	0.900	0.910
Texas	0.882	0.883	0.875	0.895	0.920	0.929	0.935	0.937	0.923	0.938	0.938	0.930	0.932
Utah	0.928	0.936	0.927	(²)	0.941	0.949	0.943	0.953	0.967	0.982	0.964	0.975	0.936
Vermont	0.718	0.747	0.762	0.812	0.843	0.816	0.823	0.869	0.884	0.863	0.914	0.866	0.898
Virginia	0.894	0.914	0.943	0.924	0.882	0.890	0.908	0.919	0.915	0.919	0.924	0.922	0.936
Washington	0.920	0.922	0.921	0.923	0.941	0.932	0.936	0.950	0.955	0.951	0.952	0.945	0.956
West Virginia	0.942	0.927	0.916	0.897	0.958	0.946	0.934	0.945	0.949	0.954	0.963	0.968	0.955
Wisconsin	0.918	0.904	0.903	0.906	0.895	0.907	0.883	0.917	0.917	0.905	0.916	0.918	0.918
Wyoming	0.907	0.959	0.904	0.913	0.934	0.883	0.954	0.953	0.950	0.939	0.949	0.941	0.956

¹ One unified district.² No unified districts.³ A McLoone Index cannot be calculated as the school district with the lowest instructional expenditure has a majority of the state's enrollment.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table 8.—Atkinson's index with a value of E of 2 for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.944	0.947	0.946	0.935	0.929	0.922	0.924	0.923	0.925	0.921	0.925	0.927	0.933
Northeast	0.931	0.936	0.932	0.926	0.932	0.935	0.935	0.928	0.931	0.924	0.935	0.945	0.945
Midwest	0.957	0.966	0.957	0.962	0.954	0.950	0.955	0.959	0.961	0.957	0.964	0.959	0.961
South	0.963	0.962	0.959	0.954	0.961	0.947	0.949	0.954	0.959	0.960	0.968	0.970	0.974
West	0.959	0.959	0.961	0.958	0.952	0.960	0.957	0.957	0.953	0.960	0.960	0.964	0.973
Alabama	0.989	0.991	0.989	0.993	0.994	0.992	0.976	0.990	0.990	0.991	0.990	0.990	0.990
Alaska	0.895	0.924	0.958	0.904	0.925	0.933	0.909	0.907	0.915	0.925	0.943	0.926	0.930
Arizona	0.979	0.987	0.980	0.979	0.980	0.986	0.972	0.988	0.985	0.987	0.990	0.990	0.990
Arkansas	0.977	0.978	0.980	0.980	0.990	0.989	0.991	0.987	0.987	0.982	0.989	0.989	0.986
California	0.983	0.984	0.986	0.989	0.990	0.991	0.983	0.979	0.976	0.977	0.978	0.983	0.993
Colorado	0.968	0.972	0.974	0.979	0.974	0.977	0.982	0.989	0.990	0.989	0.989	0.990	0.991
Connecticut	0.971	0.972	0.970	0.970	0.973	0.982	0.984	0.984	0.985	0.983	0.984	0.983	0.983
Delaware	0.965	0.977	0.988	0.968	0.980	0.980	0.981	0.986	0.985	0.990	0.994	0.986	0.988
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.988	0.991	0.990	0.990	0.988	0.990	0.991	0.990	0.988	0.986	0.986	0.988	0.989
Georgia	0.976	0.973	0.978	0.981	0.980	0.971	0.979	0.979	0.979	0.978	0.979	0.980	0.981
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.981	0.985	0.980	0.982	0.973	0.977	0.977	0.978	0.979	0.982	0.982	0.981	0.980
Illinois	0.968	0.985	0.985	0.983	0.973	0.976	0.978	0.977	0.974	0.967	0.966	0.955	0.967
Indiana	0.972	0.974	0.974	0.971	0.976	0.978	0.981	0.979	0.981	0.980	0.981	0.979	0.980
Iowa	0.991	0.992	0.993	0.992	0.992	0.991	0.992	0.991	0.991	0.993	0.993	0.990	0.993
Kansas	0.982	0.982	0.982	0.982	0.981	0.978	0.981	0.982	0.979	0.978	0.977	0.979	0.976
Kentucky	0.971	0.968	0.975	0.981	0.975	0.974	0.973	0.970	0.978	0.985	0.983	0.983	0.982
Louisiana	0.984	0.989	0.989	0.987	0.986	0.985	0.984	0.987	0.985	0.987	0.984	0.988	0.990
Maine	0.979	0.979	0.976	0.978	0.975	0.978	0.983	0.984	0.985	0.984	0.986	0.984	0.984
Maryland	0.982	0.980	0.977	0.964	0.973	0.976	0.976	0.979	0.976	0.979	0.983	0.985	0.987
Massachusetts	0.967	0.967	0.970	0.960	0.965	0.963	0.955	0.953	0.951	0.957	0.952	0.943	0.971
Michigan	0.970	0.965	0.959	0.970	0.968	0.964	0.969	0.969	0.966	0.965	0.972	0.974	0.977
Minnesota	0.981	0.980	0.943	0.975	0.983	0.981	0.985	0.985	0.986	0.984	0.984	0.981	0.981
Mississippi	0.985	0.987	0.986	0.989	0.982	0.988	0.991	0.988	0.992	0.992	0.990	0.988	0.991
Missouri	0.964	0.973	0.971	0.970	0.948	0.943	0.961	0.960	0.962	0.929	0.954	0.952	0.928
Montana	0.964	0.997	0.965	(²)	(²)	0.990	(¹)	0.991	0.959	(¹)	(¹)	0.919	0.937
Nebraska	0.978	0.977	0.977	0.977	0.977	0.975	0.976	0.978	0.977	0.978	0.979	0.979	0.980
Nevada	0.998	0.997	0.995	0.994	0.992	0.996	0.995	0.995	0.994	0.995	0.995	0.995	0.994
New Hampshire	0.980	0.980	0.975	0.980	0.979	0.981	0.981	0.982	0.981	0.979	0.974	0.972	0.978
New Jersey	0.979	0.977	0.978	0.976	0.975	0.976	0.976	0.973	0.974	0.971	0.977	0.981	0.984
New Mexico	0.992	0.989	0.964	0.985	0.996	0.991	0.992	0.988	0.987	0.976	0.985	0.989	0.990
New York	0.948	0.951	0.949	0.947	0.965	0.968	0.967	0.968	0.967	0.969	0.968	0.973	0.974
North Carolina	0.992	0.993	0.994	0.994	0.995	0.994	0.994	0.993	0.992	0.993	0.987	0.994	0.994
North Dakota	0.983	0.986	0.980	0.980	0.979	0.982	0.979	0.979	0.979	0.975	0.977	0.975	0.977
Ohio	0.953	0.955	0.958	0.958	0.966	0.964	0.972	0.966	0.965	0.966	0.969	0.959	0.970
Oklahoma	0.976	0.985	0.980	0.988	0.987	0.984	0.990	0.989	0.985	0.991	0.984	0.991	0.991
Oregon	0.985	0.993	0.991	0.989	0.993	0.989	0.993	0.991	0.990	0.990	0.989	0.992	0.989
Pennsylvania	0.957	0.958	0.970	0.966	0.969	0.967	0.966	0.965	0.965	0.966	0.971	0.970	0.970
Rhode Island	0.989	0.987	0.988	0.990	0.986	0.986	0.983	0.984	0.993	0.993	0.995	0.994	0.992
South Carolina	0.979	0.987	0.990	0.992	0.994	0.994	0.992	0.993	0.991	0.990	0.990	0.992	0.991
South Dakota	0.983	0.987	0.984	0.989	0.981	0.981	0.979	0.988	0.983	0.990	0.980	0.986	0.989
Tennessee	0.965	0.961	0.968	0.969	0.970	0.969	0.967	0.968	0.973	0.971	0.975	0.978	0.983
Texas	0.973	0.970	0.971	0.973	0.982	0.981	0.983	0.985	0.983	0.986	0.987	0.989	0.988
Utah	0.990	0.989	0.985	(²)	0.993	0.990	0.992	0.991	0.993	0.992	0.992	0.992	0.992
Vermont	0.942	0.952	0.954	0.946	0.932	0.904	0.942	0.958	0.967	0.972	0.970	0.965	0.968
Virginia	0.963	0.965	0.974	0.976	0.966	0.966	0.965	0.964	0.974	0.976	0.976	0.979	0.980
Washington	0.978	0.980	0.982	0.983	0.984	0.986	0.986	0.988	0.990	0.992	0.993	0.992	0.993
West Virginia	0.992	0.992	0.992	0.992	0.993	0.994	0.993	0.995	0.994	0.994	0.997	0.996	0.997
Wisconsin	0.986	0.983	0.974	0.977	0.983	0.984	0.978	0.986	0.987	0.983	0.987	0.986	0.986
Wyoming	0.985	0.986	0.981	0.969	0.978	0.968	0.981	0.980	0.980	0.978	0.979	0.983	0.987

¹ One unified district.² No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table 9.—Atkinson's index with a value of E of 150 for instructional expenditures per pupil for unified districts, by region and state:
Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.465	0.486	0.462	0.467	0.389	0.393	0.429	0.482	0.510	0.506	0.520	0.511	0.442
Northeast	0.380	0.405	0.419	0.525	0.288	0.294	0.461	0.491	0.392	0.453	0.365	0.344	0.473
Midwest	0.496	0.527	0.485	0.506	0.507	0.448	0.460	0.508	0.579	0.539	0.539	0.550	0.441
South	0.549	0.573	0.512	0.543	0.494	0.460	0.493	0.561	0.589	0.606	0.619	0.612	0.641
West	0.483	0.604	0.535	0.602	0.496	0.504	0.565	0.567	0.540	0.566	0.625	0.637	0.595
Alabama	0.790	0.847	0.789	0.836	0.827	0.870	0.797	0.847	0.859	0.863	0.851	0.838	0.818
Alaska	0.759	0.791	0.873	0.754	0.810	0.787	0.776	0.758	0.754	0.789	0.813	0.779	0.783
Arizona	0.671	0.832	0.707	0.865	0.696	0.677	0.759	0.792	0.797	0.766	0.800	0.837	0.818
Arkansas	0.663	0.769	0.745	0.778	0.808	0.735	0.803	0.793	0.729	0.806	0.808	0.767	0.796
California	0.725	0.684	0.662	0.788	0.820	0.806	0.719	0.788	0.776	0.529	0.622	0.689	0.874
Colorado	0.610	0.718	0.675	0.752	0.736	0.639	0.774	0.789	0.767	0.789	0.785	0.815	0.815
Connecticut	0.616	0.650	0.651	0.651	0.660	0.710	0.775	0.721	0.787	0.749	0.763	0.757	0.780
Delaware	0.739	0.779	0.815	0.725	0.768	0.802	0.773	0.731	0.764	0.778	0.859	0.840	0.810
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.775	0.794	0.772	0.816	0.796	0.842	0.831	0.829	0.820	0.820	0.840	0.849	0.845
Georgia	0.707	0.715	0.714	0.728	0.770	0.690	0.734	0.782	0.740	0.764	0.734	0.761	0.753
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.747	0.815	0.721	0.785	0.741	0.781	0.796	0.816	0.800	0.847	0.852	0.847	0.826
Illinois	0.597	0.687	0.668	0.647	0.682	0.534	0.631	0.650	0.649	0.588	0.609	0.602	0.616
Indiana	0.670	0.666	0.665	0.665	0.701	0.737	0.760	0.732	0.695	0.717	0.570	0.592	0.449
Iowa	0.754	0.767	0.775	0.714	0.626	0.804	0.778	0.769	0.811	0.849	0.831	0.648	0.598
Kansas	0.763	0.744	0.776	0.789	0.724	0.736	0.595	0.731	0.760	0.752	0.737	0.716	0.727
Kentucky	0.757	0.755	0.796	0.833	0.778	0.686	0.805	0.787	0.823	0.817	0.819	0.781	0.797
Louisiana	0.659	0.771	0.779	0.801	0.770	0.745	0.755	0.729	0.745	0.743	0.761	0.803	0.811
Maine	0.623	0.564	0.767	0.758	0.413	0.405	0.811	0.811	0.795	0.609	0.786	0.775	0.810
Maryland	0.806	0.810	0.814	0.797	0.801	0.817	0.788	0.825	0.849	0.764	0.868	0.874	0.858
Massachusetts	0.701	0.671	0.619	0.683	0.708	0.658	0.623	0.580	0.621	0.605	0.483	0.543	0.661
Michigan	0.573	0.523	0.540	0.544	0.548	0.539	0.522	0.570	0.592	0.565	0.540	0.624	0.699
Minnesota	0.751	0.610	0.663	0.729	0.670	0.340	0.746	0.738	0.713	0.601	0.673	0.658	0.680
Mississippi	0.745	0.772	0.665	0.792	0.632	0.646	0.850	0.843	0.830	0.863	0.801	0.838	0.814
Missouri	0.620	0.700	0.651	0.556	0.588	0.595	0.660	0.644	0.675	0.603	0.637	0.649	0.589
Montana	0.508	0.937	0.421	(²)	(²)	0.715	(¹)	0.942	0.493	(¹)	(¹)	0.704	0.746
Nebraska	0.562	0.572	0.661	0.762	0.719	0.747	0.773	0.617	0.753	0.761	0.643	0.781	0.775
Nevada	0.927	0.956	0.910	0.953	0.949	0.971	0.973	0.966	0.970	0.973	0.969	0.975	0.966
New Hampshire	0.598	0.645	0.749	0.718	0.696	0.707	0.678	0.715	0.709	0.654	0.603	0.589	0.623
New Jersey	0.658	0.657	0.621	0.675	0.666	0.371	0.663	0.647	0.644	0.640	0.701	0.657	0.704
New Mexico	0.823	0.776	0.602	0.809	0.878	0.825	0.788	0.809	0.878	0.787	0.851	0.879	0.879
New York	0.644	0.652	0.576	0.574	0.537	0.538	0.663	0.709	0.666	0.655	0.337	0.703	0.701
North Carolina	0.856	0.869	0.866	0.887	0.892	0.880	0.646	0.850	0.832	0.843	0.847	0.853	0.847
North Dakota	0.670	0.694	0.443	0.755	0.706	0.600	0.507	0.570	0.656	0.649	0.697	0.680	0.724
Ohio	0.562	0.517	0.645	0.637	0.457	0.494	0.580	0.623	0.642	0.659	0.567	0.608	0.674
Oklahoma	0.608	0.726	0.589	0.738	0.835	0.545	0.792	0.574	0.717	0.760	0.792	0.765	0.866
Oregon	0.773	0.785	0.764	0.803	0.830	0.519	0.787	0.780	0.729	0.787	0.810	0.842	0.511
Pennsylvania	0.470	0.496	0.533	0.677	0.661	0.671	0.659	0.690	0.497	0.581	0.662	0.405	0.653
Rhode Island	0.852	0.832	0.823	0.828	0.676	0.659	0.676	0.664	0.899	0.864	0.892	0.831	0.801
South Carolina	0.743	0.763	0.778	0.827	0.897	0.883	0.817	0.848	0.851	0.827	0.833	0.817	0.826
South Dakota	0.772	0.812	0.717	0.815	0.814	0.800	0.777	0.789	0.738	0.849	0.696	0.834	0.803
Tennessee	0.643	0.636	0.718	0.703	0.725	0.728	0.694	0.712	0.707	0.693	0.707	0.684	0.780
Texas	0.526	0.528	0.490	0.599	0.614	0.505	0.539	0.691	0.745	0.675	0.737	0.769	0.780
Utah	0.884	0.860	0.835	(²)	0.890	0.896	0.907	0.913	0.925	0.923	0.933	0.922	0.888
Vermont	0.656	0.669	0.531	0.606	0.511	0.403	0.512	0.706	0.720	0.681	0.717	0.686	0.688
Virginia	0.715	0.741	0.761	0.803	0.468	0.451	0.458	0.463	0.592	0.789	0.772	0.554	0.764
Washington	0.660	0.685	0.723	0.711	0.732	0.785	0.775	0.800	0.828	0.860	0.827	0.785	0.770
West Virginia	0.828	0.793	0.785	0.816	0.879	0.848	0.847	0.881	0.880	0.890	0.914	0.760	0.914
Wisconsin	0.736	0.699	0.662	0.675	0.711	0.716	0.664	0.685	0.727	0.570	0.738	0.657	0.721
Wyoming	0.773	0.823	0.611	0.542	0.741	0.757	0.807	0.780	0.732	0.719	0.730	0.713	0.874

¹ One unified district.

² No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Appendix A1 – Legislation for the Education Finance Incentive Program

Sec. 1125A. "Education finance incentive program"

(a) Grants

The Secretary is authorized to make grants to States from the sums appropriated pursuant to subsection (e) of this section to carry out the purposes of this part.

(b) Distribution based upon fiscal effort and equity

(1) In general Funds appropriated pursuant to subsection (e) of this section shall be allotted to each State based upon the number of children aged 5 to 17, inclusive, of such State multiplied by the product of -

(A) such State's effort factor described in paragraph (2); multiplied by

(B) 1.30 minus such State's equity factor described in paragraph (3), except that for each fiscal year no State shall receive less than one-quarter of 1 percent of the total amount appropriated pursuant to subsection (e) of this section for such fiscal year.

(2) Effort factor

(A) Except as provided in subparagraph

(B), the effort factor for a State shall be determined in accordance with the succeeding sentence, except that such factor shall not be less than .95 nor greater than 1.05. The effort factor determined under this sentence shall be a fraction the numerator of which is the product of the three-year average per-pupil expenditure in the State multiplied by the three-year average per capita income in the United States and the denominator of which is the product of the three-year average per capita income in such State multiplied by the three-year average per-pupil expenditure in the United States.

(B) The effort factor for the Commonwealth of Puerto Rico shall be equal to the lowest effort factor calculated under subparagraph (A) for any State.

(3) Equity factor

(A)

(i) Except as provided in subparagraph (B), the Secretary shall determine the equity factor under this section for each State in accordance with clause (ii).

(ii) For each State, the Secretary shall compute a weighted coefficient of variation for the per-pupil expenditures of local educational agencies in accordance with subclauses (II), (III), (IV), and (V)

(I) For each State, the Secretary shall compute a weighted coefficients of variation.

(II) The Secretary shall weigh the variation between per-pupil expenditures in each local educational agency and the average per-pupil expenditures

in the State according to the number of pupils in the local educational agency.

(III) In determining the number of pupils under this paragraph in each local educational agency and each State, the Secretary shall multiply the number of children from low-income families by 1.4 under this paragraph.

(IV) In computing coefficients of variation, the Secretary shall include only those local educational agencies with an enrollment of more than 200 students.

(V) The Secretary shall compute separate coefficients of variation for elementary, secondary, and unified local educational agencies and shall combine such coefficients into a single weighted average coefficient for the State by multiplying each coefficient by the total enrollments of the local educational agencies in each group, adding such products, and dividing such sum by the total enrollments of the local educational agencies in the State.

(B) The equity factor for a State that meets the disparity standard described in section 222.63 of title 34, Code of Federal Regulations (as such section was in effect on the day preceding October 20, 1994) or a State with only one local educational agency shall be not greater than .10.

(C) The Secretary may revise each State's equity factor as necessary based on the advice of independent education finance scholars to reflect other need-based costs of local educational agencies in addition to low-income student enrollment, such as differing geographic costs, costs associated with students with disabilities, children with limited-English proficiency or other meaningful educational needs, which deserve additional support. In addition and also with the advice of independent education finance scholars, the Secretary may revise each State's equity factor to incorporate other valid and accepted methods to achieve adequacy of educational opportunity that may not be reflected in a coefficient of variation method.

(c) Use of funds

All funds awarded to each State under this section shall be allocated to local educational agencies and schools on a basis consistent with the distribution of other funds to such agencies and schools under sections 6333, 6334, and 6335 of this title to carry out activities under this part.

(d) Maintenance of effort

(1) In general

Except as provided in paragraph (2), a State is entitled to receive its full allotment of funds under this part for any fiscal year if the Secretary finds that either the combined fiscal effort per student or the aggregate expenditures

within the State with respect to the provision of free public education for the fiscal year preceding the fiscal year for which the determination is made was not less than 90 percent of such combined fiscal effort or aggregate expenditures for the second fiscal year preceding the fiscal year for which the determination is made.

(2) Reduction of funds

The Secretary shall reduce the amount of the of [1] funds awarded to any State under this section in any fiscal year in the exact proportion to which the State fails to meet the requirements of paragraph (1) by falling below 90 percent of both the fiscal effort per student and aggregate expenditures (using the measure most favorable to the State), and no such lesser amount shall be used for computing the effort required under paragraph (1) for subsequent years.

(3) Waivers

The Secretary may waive, for one fiscal year only, the requirements of this subsection if the Secretary determines that such a waiver would be equitable due to exceptional or uncontrollable circumstances such as a natural disaster or a precipitous and unforeseen decline in the financial resources of the State.

(e) Authorization of appropriations

For the purpose of making grants under this section, there are authorized to be appropriated \$200,000,000 for fiscal year 1996 and such sums as may be necessary for each of the three succeeding fiscal years.

NOTE: [1] So in original. The word "of" probably should not appear.

Appendix A2 – Case Study Appendix

Introduction

The database used was a combination of the Census Bureau's Survey of Local Governments: Schools Systems (henceforth F-33) and NCES's School District Universe. Most data, including instructional expenditures and enrollments, came from the F-33 Survey and the grade spans of the school districts came from the School District Universe. In preparing this database for analysis, many different types of problems were encountered. As part of the editing process, before calculation of the summary statistics and disparity measures, the district counts were examined for all districts combined and for each of the three subgroupings. In this appendix, several different types of difficulties are examined and examples given. First, there were districts for which there were problems with the codes which resulted in their being placed in either the wrong state or no state. Second, as already seen, there are problems with outliers, districts with either very high or very low instructional expenditures per pupil. Third, there were instances when a state for one year had a count of districts that was not consistent with other years. And fourth, there were instances of inconsistency with the grade spans that came from the School District Universe.

Problems with State Codes

Ideally, each district in the F-33 carried two codes that should be unique for each district. Each code began with a two digit identifier for the district's state. In 1980, 1981, and 1982, each state had an OE (for Office of Education) code that was developed by the National Center for Education Statistics. This was a seven digit number with the first two digits identifying the state and the last five identifying the district within the state. Beginning in 1983, the state portion of the OE code was replaced with the FIPS state code, referred to as the FIPS code. Like the OE code, the FIPS code contained a two-digit state identifier and a five-digit district identifier. The district identifiers largely remained the same but there were changes in the state identifiers. (See table A2.1.) Besides having either an OE code or a FIPS code, each district had a nine digit code which had been developed by the Census Bureau. The first two digits of this code also indicated the state. Few of these state codes were consistent.

A check was made of each district for each year by testing if each district's census code indicated the same state as either its OE code or FIPS code. Several different types of problems were encountered.

The most frequent type of difficulty was the lack of an OE or FIPS code. For these districts, efforts were made to assign them the proper code. The first step was to see if the district was on the School District Universe. If so, it was assigned the OE or FIPS code from the School District Universe. A couple examples will be examined.

In 1980, the "Franklin County Tech School" district appeared on the F-33 without an OE code. Its census code indicated that it was in Massachusetts. The 1982 School District Universe contained a "Franklin County Regional Voc" with an OE code of 3105020. This district also appeared on the 1983 School District Universe with a FIPS code of 2505020. The first two digits of each code indicated that the district was in Massachusetts and the last five digits were identical, so the district was assigned an OE code of 3105020.

In 1980, the "Bethlehem AVTS" appeared without a FIPS code. Its census code indicated that it was in Pennsylvania. There was a "Bethlehem School District" on the 1980 School District Universe but it also appeared on the 1980 F-33, so it was dropped from consideration. The "Bethlehem Area AVTS" appeared on the 1983 School District Universe with a FIPS code of 4280370. The two digit state identifier also placed the district in Pennsylvania. The two digit OE code identifier for Pennsylvania was combined with the five digit district identifier to produce an OE code of 4880370.

This method was used to assign OE or FIPS codes for districts for every year from 1980 to 1992. (No problem districts were found in the 1993 and 1994 surveys.) The number of districts requiring such identification decreased substantially over time. In 1980, OE codes were found for over 78 districts. In 1987, the number fell to 28. By 1992, there were only 3 districts.

The task of finding OE or FIPS codes for districts missing their codes was made more difficult due to the presence of community colleges or other less-than-4-year postsecondary institutions on the F-33. These community colleges should not be included in this study. Some of the "districts" that did not have a OE or FIPS code actually were community colleges. It was easy to identify some community colleges as the word college appeared in the district's name. Others had to be examined more closely.

For example, in 1980, there was an "Anson Tech Institute" with a state code indicating that it was in North Carolina. There was an "Anson County School District" on the School District Universe, but this also appeared on the 1980 F-33. No other possible matches were found in the

School District Universe. To see if "Anson Tech Institute" might be a community college, the list of colleges in North Carolina in the National Center for Education Statistics report *Basic Student Charges at Postsecondary Institutions: Academic Year 1994-95* was examined. That publication listed an "Anson Community College" in North Carolina. As there was not a match for "Anson Tech Institute" in the School District Universe, it was assumed that it was a community college and was excluded from the database.

There were some districts which were not identified using either the School District Universe or the *Basic Student Charges at Postsecondary Institutions: Academic Year 1994-95*. In a small number of cases, these districts were given OE or FIPS codes. For example, in 1986, there were 27 districts without FIPS codes which could not be found in the School District Universe and yet had names that did not suggest that they were community colleges. All 27 districts were in Minnesota.

Besides the difficulty with missing OE or FIPS codes, there were problems because some districts had OE or FIPS codes which either placed them in the wrong state or in no state at all. The problems happened because some districts were still being listed with their old OE codes rather than their FIPS code in the F-33 Survey.

In the 1986 F-33 Survey, there was the "Lanark Community School District" with a census code of 145008006 and a FIPS code of 2321960. The census code placed this district in Illinois while the FIPS code placed it in Maine. If the FIPS code was considered as an OE code, the district would be placed in Illinois. There was a "Lanark School District" on the 1986 School District Universe with a FIPS code of 1721960. That FIPS code placed the district in Illinois, so the code was changed to 1721960.

Another example from the 1986 F-33 Survey was the "Greenville City Schools" with a census code of 347074001 and a FIPS code of 4301890. The census code places this district in North Carolina while there was no FIPS state with the two digit identifier of 43 (43 is the FIPS code for Puerto Rico). If 4301890 was considered as an OE code, the district would be placed in North Carolina. There was a "Greenville City School District" in the 1986 School District Universe with a FIPS code of 3701890. That FIPS code placed the district in North Carolina and the other five digits were the same as on the FIPS code on the 1986 F-33, so the FIPS code was changed to 3701890 on the F-33.

No districts had this problem of conflicting state codes in 1983. In 1986 over 90 districts had this problem. For the next three years, about twenty-five districts had this problem each year. By 1992, there was only one district with this problem.

Problems with Outliers

As noted in the text, there were many instances of districts with extremely high or low instructional expenditures per pupil. (See table A1.2 for a summary of the expenditure distributions for each year.) Four such outliers were discussed in the text. In this appendix, several other examples are presented. The counts of the numbers of districts in this section include the outliers that had been excluded from the calculation of the disparity measures and the summary statistics.

Alaska 1982. In 1982, Alaskan district "Adak Reaa" had an instructional expenditure per pupil of over \$130,000. The probable cause of this was an erroneous count of the enrollment. While total instructional expenditures in 1982 was similar to those in the 1981 and 1983, the enrollment was 609 in 1981-82 compared to 11,181 in 1981 and 12,897 1983.

Iowa 1983. "Ayrshire Consolidated School District" had an instructional expenditure per pupil of \$43 in 1983. In 1982, the same district had an average instructional expenditure per pupil of \$1,889. ("Ayrshire Consolidated School District" did not appear in 1986.) There was no obvious cause of the very low figure for 1983.

Kansas 1987. "Holcomb Unified School District" had an instructional expenditure per pupil of \$535 in 1987 though its 1986 number was \$1,391 and its 1988 number was \$2,278. There was no obvious cause of the very low figure for 1987.

Kentucky 1987. "Harlan County", a unified school district, had an instructional expenditure per pupil of \$393 in 1987, though its 1986 number was \$1,358 and its 1988 number was \$1,852. There was no obvious reason for the inconsistency.

Montana 1982. "Bridger Elementary School District # 2" had an instructional expenditure per pupil of \$314,030 in 1982 though its 1980 figure was \$1,558 and its 1987 figure was \$2,882. The problem seemed to be with the enrollment. The 1982 enrollment was listed as 2 while the 1980 enrollment was 196 and the 1987 enrollment was 170.

Nebraska 1982. "Rock County School District # 2", an elementary school district, had an instructional expenditure per pupil of \$1 in 1982 (an enrollment of 7 and instructional expenditures

of \$10). This district was listed on the 1980 F-33 with an enrollment of 6 and instructional expenditures of \$10,938. The instructional expenditures in 1982 was probably off by a factor of 1000.

Problems with State Counts

There were a few instances in which a state for one or two universe years had significantly more or fewer districts than in other years. The counts of districts in this section include the outliers that had been excluded from the calculation of the disparity measures and the summary statistics.

Alaska 1982. There were 33 districts on the F-33 for Alaska in 1982, which was a universe year. This was the same number reported in 1981, which was a sample year, and substantially less than in the two closest universe years of 1980 (52 districts) and 1987 (55 districts). In most cases in which a sample of districts was presented sample weights were reported. No sample weights were reported for Alaska in 1982. One other instance in which no sample weights were reported was for California in 1994.

Maine 1986. The number of districts in 1986 was less than in any other year. For example, there were 19 districts, with a combined enrollment of 3,911, which appeared on the 1987 F-33 list but did not appear on the 1986 list.

Maryland 1986. Throughout the period under analysis, Maryland had a constant 24 school districts. However, in 1986, one district, "Harford County", was missing. In 1983, "Harford" had an enrollment of 28,646 out of a total of 699,201.

Problems with Grade Spans

The F-33 was linked to the School District Universe to find the grade spans. The principal advantage to using the grade span from the School District Universe was that it enabled the consistent determination of whether a school district is elementary, secondary, or unified. With some exceptions, this did result in classifications that were consistent from one year to the next. The counts of the numbers of districts in this section include the outliers that had been excluded from the calculation of the disparity measures and the summary statistics.

Delaware. While there is only a small number of districts in Delaware, the number and distribution changed over time. (See table A2.A.) No changes were made.

Table A2.A.—Number of districts in Delaware by type: 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
Elementary	0	0	0	0	0	0	0	0	0	0	0	0	0
Secondary	1	4	4	1	4	4	2	4	3	4	4	1	0
Unified	12	12	15	15	15	15	15	15	16	15	15	18	18
Total	13	16	19	16	19	19	17	19	19	19	19	19	18

Massachusetts 1987. There were no grade spans for Massachusetts for 1987 in the NCES School District Universe. A comparison was made between the districts in 1986 (for which there were grade spans) and 1987. Each of the 1987 districts had a counterpart on the 1986 School District Universe. The grade spans in 1986 were used for 1987.

Minnesota. The number of districts was fairly stable in Minnesota over the period from 1980 to 1994, but the number of districts for each grade span did change significantly. From 1980 to 1983, the number of elementary districts was stable at 32. In 1986 it dropped to 5, but then increased steadily each year reaching 67 in 1992. It then dropped to 45 in 1994. From 1980 to 1986, there were at most two secondary districts. In 1987 the number rose to 6. This continued increasing, reaching 16 in 1991. It then fell to 6 in 1994.

Vermont 1986. Virtually all the Vermont districts were classified as unified districts in 1986. In all other years, most of these districts were classified as elementary districts or secondary districts.

Table A2.1.—OE codes, FIPS codes, and Census codes by state

Year in use	OE code 1980-1982	FIPS code 1983-1994	Census code 1980-1994
State			
Alabama	10	01	01
Alaska	11	02	02
Arizona	12	04	03
Arkansas	13	05	04
California	14	06	05
Colorado	15	08	06
Connecticut	16	09	07
Delaware	17	10	08
Dist. of Columbia	18	11	09
Florida	19	12	10
Georgia	20	13	11
Hawaii	21	15	12
Idaho	22	16	13
Illinois	23	17	14
Indiana	24	18	15
Iowa	25	19	16
Kansas	26	20	17
Kentucky	27	21	18
Louisiana	28	22	19
Maine	29	23	20
Maryland	30	24	21
Massachusetts	31	25	22
Michigan	32	26	23
Minnesota	33	27	24
Mississippi	34	28	25
Missouri	35	29	26
Montana	36	30	27
Nebraska	37	31	28
Nevada	38	32	29
New Hampshire	39	33	30
New Jersey	40	34	31
New Mexico	41	35	32
New York	42	36	33
North Carolina	43	37	34
North Dakota	44	38	35
Ohio	45	39	36
Oklahoma	46	40	37
Oregon	47	41	38
Pennsylvania	48	42	39
Rhode Island	49	44	40
South Carolina	50	45	41
South Dakota	51	46	42
Tennessee	52	47	43
Texas	53	48	44
Utah	54	49	45
Vermont	55	50	46
Virginia	56	51	47
Washington	57	53	48
West Virginia	58	54	49
Wisconsin	59	55	50
Wyoming	60	56	51

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A2.2.—Distribution of instructional expenditures per pupil, for elementary, secondary, and unified districts: Fiscal years 1980 to 1994

	Less than \$1,000	\$1,000 to \$1,999	\$2,000 to \$2,999	\$3,000 to \$3,999	\$4,000 to \$4,999	\$5,000 to \$5,999	\$6,000 to \$6,999	\$7,000 to \$7,999	\$8,000 to \$8,999	\$9,000 to \$9,999	\$10,000 and greater
1980	4,983	10,050	555	72	37	19	8	8	5	1	7
1981	1,791	9,985	756	90	30	27	10	7	3	2	5
1982	1,366	12,232	1,484	211	59	34	16	8	3	2	7
1983	1,806	10,045	1,594	223	40	32	17	10	6	4	19
1986	67	7,598	4,099	745	203	69	24	21	9	9	11
1987	92	7,608	5,860	1,233	297	119	45	25	14	14	17
1988	12	5,065	5,639	1,612	315	131	52	23	24	7	26
1989		3,707	6,235	1,956	505	190	84	39	9	10	33
1990	0	3,148	7,803	2,653	918	267	139	61	42	11	33
1991	0	1,711	6,863	2,618	1,058	279	135	77	31	22	41
1992	0	1,325	7,786	3,308	1,456	526	276	123	45	23	56
1993	0	598	6,243	3,764	1,474	547	265	134	54	23	45
1994	0	312	5,357	4,005	1,499	615	250	154	66	32	33

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Appendix A3 - Data Appendix

Table A3.1.1.—Number of unified districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	11,101	9,372	10,922	9,225	9,602	10,951	9,491	9,461	10,772	9,494	10,671	9,582	9,532
Northeast	1,922	1,875	1,845	1,813	2,004	2,037	1,947	1,920	1,959	1,936	1,946	1,936	1,885
Midwest	4,590	4,237	4,564	4,214	4,374	4,501	4,307	4,286	4,398	4,280	4,357	4,286	4,218
South	3,258	2,308	3,251	2,272	2,226	3,120	2,211	2,205	3,108	2,233	3,058	2,206	2,386
West	1,331	952	1,262	926	998	1,293	1,026	1,050	1,307	1,045	1,310	1,154	1,043
Alabama	126	79	126	78	128	128	128	129	127	128	128	128	127
Alaska	50	30	30	33	33	55	55	55	57	54	53	54	53
Arizona	75	36	79	34	39	86	36	48	90	49	92	86	87
Arkansas	372	78	369	78	80	329	79	98	327	100	319	117	116
California	285	287	271	251	272	275	282	291	286	283	288	290	148
Colorado	178	69	178	69	81	175	83	78	175	79	175	57	57
Connecticut	111	111	111	111	111	111	113	113	112	113	113	113	117
Delaware	12	12	15	15	15	15	16	15	16	15	15	18	18
Dist. of Columbia	1	1	1	1	1	1	1	1	1	1	1	1	1
Florida	67	67	67	67	67	67	66	66	67	67	67	67	67
Georgia	180	79	178	79	75	178	75	72	177	72	175	66	174
Hawaii	1	1	1	1	1	1	1	1	1	1	1	1	1
Idaho	106	64	106	108	107	107	107	107	106	105	105	105	105
Illinois	445	445	443	447	436	442	447	439	428	424	424	414	411
Indiana	295	211	293	195	177	293	179	161	289	294	293	295	294
Iowa	447	443	439	440	436	431	416	407	385	376	370	375	357
Kansas	307	306	306	305	304	303	304	304	304	304	304	304	302
Kentucky	177	102	176	101	77	177	77	76	173	76	172	86	86
Louisiana	66	65	66	66	66	66	66	65	66	66	66	66	66
Maine	118	118	118	117	112	114	120	113	111	113	112	113	113
Maryland	24	24	24	24	23	24	24	24	24	24	24	24	24
Massachusetts	183	184	184	185	190	255	198	197	199	200	204	245	247
Michigan	530	530	528	529	525	525	525	516	525	523	525	522	526
Minnesota	405	400	400	402	428	411	395	385	372	365	346	348	347
Mississippi	152	81	153	77	80	153	80	79	152	79	149	68	149
Missouri	458	456	455	456	451	447	449	450	451	452	452	450	450
Montana	43	8	3	0	0	2	1	3	3	1	1	15	35
Nebraska	298	298	296	290	304	282	282	297	281	278	286	273	278
Nevada	16	16	16	16	16	17	16	16	16	16	16	16	16
New Hampshire	69	57	72	72	70	72	73	72	74	73	68	69	70
New Jersey	205	183	203	185	188	214	206	187	218	189	218	101	96
New Mexico	88	46	89	47	39	88	39	42	87	45	86	41	41
New York	617	615	587	586	703	702	670	666	667	664	662	693	651
North Carolina	144	144	142	143	141	140	141	140	139	134	133	130	121
North Dakota	241	81	238	83	219	215	215	213	212	204	200	199	190
Ohio	613	612	612	610	614	604	616	663	611	611	621	656	612
Oklahoma	453	127	458	128	103	456	103	96	464	97	437	65	65
Oregon	156	74	156	74	85	155	84	78	153	78	158	155	165
Pennsylvania	553	550	504	500	499	499	498	499	499	499	498	527	503
Rhode Island	28	28	28	28	28	31	31	32	32	33	33	31	32
South Carolina	92	55	92	55	66	92	66	54	91	91	91	91	91
South Dakota	182	86	182	84	108	174	106	79	170	78	166	81	81
Tennessee	133	131	130	132	123	126	125	125	125	125	122	123	123
Texas	1,070	1,074	1,076	1,069	991	978	978	979	973	972	973	970	971
Utah	40	28	40	0	31	40	31	40	40	40	40	40	40
Vermont	38	29	38	29	103	39	38	41	47	52	38	44	56
Virginia	134	134	123	117	135	135	131	131	131	131	131	131	132
Washington	247	247	247	249	247	245	246	246	247	247	248	247	248
West Virginia	55	55	55	42	55	55	55	55	55	55	55	55	55
Wisconsin	369	369	372	373	372	374	373	372	370	371	370	369	370
Wyoming	46	46	46	44	47	47	45	45	46	47	47	47	47

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.1.2.—Enrollments of unified districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	(In thousands)												
	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	36,544	34,271	34,766	32,008	34,104	36,609	35,312	35,226	37,064	36,492	38,335	37,705	38,482
Northeast	6,253	5,943	5,700	5,498	6,549	6,706	6,553	6,474	6,524	6,585	6,725	6,672	6,768
Midwest	9,844	9,366	9,398	8,945	8,448	9,132	8,926	8,873	9,096	9,158	9,287	9,384	9,450
South	14,201	12,972	13,657	12,343	13,023	14,483	13,484	13,288	14,521	13,758	14,950	14,215	14,928
West	6,246	5,991	6,010	5,222	6,083	6,288	6,349	6,591	6,924	6,991	7,373	7,434	7,336
Alabama	754	625	709	559	730	733	673	725	719	721	726	728	730
Alaska	86	84	78	94	106	102	105	103	107	111	117	121	124
Arizona	311	269	277	272	314	323	331	380	428	395	406	417	442
Arkansas	453	241	437	233	238	431	240	276	434	278	437	311	313
California	2,930	2,931	2,740	2,469	2,828	2,829	2,981	3,157	3,261	3,384	3,488	3,548	3,323
Colorado	550	487	543	486	481	552	522	517	561	531	593	540	550
Connecticut	513	492	472	454	425	424	424	420	419	428	436	443	454
Delaware	100	96	91	89	89	90	95	93	93	96	97	104	104
Dist. of Columbia	106	100	95	92	88	86	88	85	81	81	81	81	81
Florida	1,506	1,511	1,488	1,485	1,563	1,607	1,664	1,669	1,790	1,862	1,929	1,981	2,040
Georgia	1,073	824	1,065	827	843	1,086	857	869	1,119	859	1,170	894	1,233
Hawaii	166	164	163	161	162	165	166	168	169	171	175	177	181
Idaho	202	183	203	205	219	212	201	202	212	220	225	231	236
Illinois	1,301	1,263	1,225	1,206	678	1,177	1,171	1,148	1,160	1,169	1,175	1,187	1,192
Indiana	1,037	883	1,013	729	751	957	743	721	910	919	952	958	963
Iowa	547	533	515	532	489	480	476	493	467	470	479	484	488
Kansas	423	415	410	407	410	412	421	427	431	437	437	451	458
Kentucky	676	534	657	425	452	639	456	447	629	441	633	489	490
Louisiana	830	800	780	796	806	806	790	778	780	780	759	796	798
Maine	199	194	188	187	178	182	182	180	181	185	183	184	184
Maryland	778	751	722	699	644	676	691	689	699	715	736	752	773
Massachusetts	799	768	729	696	665	779	710	709	707	715	732	790	815
Michigan	1,933	1,884	1,756	1,766	1,691	1,691	1,653	1,604	1,634	1,646	1,616	1,595	1,592
Minnesota	551	530	516	500	683	694	700	702	724	738	740	767	796
Mississippi	482	330	471	312	316	494	350	346	500	345	499	328	502
Missouri	829	803	801	782	790	775	790	793	793	805	810	823	840
Montana	8	6	(^a)	0	0	(^a)	(^a)	1	(^a)	(^a)	(^a)	1	13
Nebraska	260	252	250	243	242	241	243	247	248	251	261	264	269
Nevada	148	149	150	151	155	161	168	176	187	201	212	223	236
New Hampshire	138	130	135	132	130	132	134	138	145	145	140	147	145
New Jersey	909	808	828	797	769	822	810	755	806	772	817	572	577
New Mexico	266	236	265	234	228	282	238	226	255	239	305	281	287
New York	1,527	1,532	1,384	1,333	2,564	2,562	2,504	2,485	2,479	2,534	2,579	2,644	2,677
North Carolina	1,161	1,142	1,096	1,120	1,093	1,085	1,085	1,081	1,085	1,083	1,086	1,113	1,132
North Dakota	115	81	116	85	110	111	114	111	114	115	114	115	115
Ohio	2,021	1,953	1,900	1,852	1,794	1,763	1,795	1,816	1,764	1,771	1,788	1,834	1,815
Oklahoma	551	372	562	381	360	564	360	347	571	349	567	312	316
Oregon	398	341	397	328	352	392	357	353	410	366	435	446	469
Pennsylvania	1,991	1,854	1,801	1,743	1,645	1,646	1,629	1,623	1,621	1,634	1,663	1,719	1,723
Rhode Island	137	132	126	123	118	128	127	131	132	136	139	137	143
South Carolina	610	539	611	530	541	609	548	501	592	618	626	632	634
South Dakota	130	96	123	90	104	124	107	97	126	99	128	106	107
Tennessee	843	828	831	813	798	807	815	815	813	853	814	829	837
Texas	2,858	2,884	2,923	2,964	3,139	3,453	3,451	3,260	3,305	3,361	3,453	3,518	3,590
Utah	333	328	355	0	395	416	416	430	436	445	457	462	470
Vermont	39	32	36	32	55	32	33	34	34	36	35	37	49
Virginia	1,031	1,010	741	681	966	966	976	979	986	997	1,017	1,031	1,043
Washington	753	715	742	731	741	754	767	782	802	831	861	887	906
West Virginia	388	384	378	337	358	352	344	328	323	320	320	318	314
Wisconsin	698	673	774	753	707	708	712	715	724	739	786	800	813
Wyoming	95	97	97	91	102	100	98	97	96	98	100	100	100

^a Enrollment less than 500.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.1.3.—Medians for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,151	1,301	1,422	1,444	1,855	1,976	2,120	2,291	2,451	2,628	2,678	2,855	2,947
Northeast	1,429	1,547	1,629	1,788	2,596	2,798	3,104	3,499	3,674	4,014	4,354	4,620	4,654
Midwest	1,191	1,348	1,451	1,509	1,880	1,932	2,109	2,313	2,415	2,574	2,795	3,038	3,151
South	1,016	1,129	1,262	1,241	1,676	1,721	1,932	2,075	2,265	2,368	2,398	2,573	2,685
West	1,242	1,383	1,517	1,560	1,909	2,112	2,185	2,323	2,503	2,699	2,741	2,803	2,793
Alabama	875	966	1,058	1,004	1,255	1,255	1,353	1,457	1,508	1,636	1,803	2,122	2,310
Alaska	2,176	2,585	2,858	2,875	3,392	3,368	3,533	3,632	3,563	3,746	3,914	3,676	3,784
Arizona	859	958	1,325	1,021	1,438	1,967	1,717	1,844	1,900	2,504	2,137	2,287	2,300
Arkansas	824	985	1,052	1,069	1,466	1,508	1,686	1,723	1,794	1,898	2,137	2,451	2,495
California	1,273	1,401	1,533	1,560	2,022	2,226	2,303	2,413	2,690	2,808	2,769	2,780	2,788
Colorado	1,161	1,308	1,483	1,371	2,011	2,171	2,223	2,335	2,441	2,601	2,661	2,852	2,719
Connecticut	1,460	1,455	1,812	1,970	2,421	2,794	3,287	3,814	4,097	4,351	4,521	4,745	4,939
Delaware	1,636	1,660	1,470	1,902	2,308	3,116	3,170	3,497	3,656	3,598	3,531	3,915	4,167
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	1,080	1,233	1,561	1,442	1,894	1,969	2,087	2,261	2,458	2,590	2,586	2,674	2,761
Georgia	926	1,059	1,154	1,137	1,435	1,890	2,063	2,139	2,386	2,572	2,487	2,793	2,732
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	917	1,013	1,095	1,153	1,224	1,278	1,515	1,539	1,637	1,812	1,894	2,053	2,149
Illinois	1,281	1,462	1,514	1,595	1,588	1,952	2,099	2,198	2,326	2,513	2,636	2,765	2,857
Indiana	1,033	1,174	1,199	1,184	1,525	1,603	1,854	2,279	2,290	2,580	2,647	2,922	3,040
Iowa	1,490	1,465	1,554	1,502	1,855	1,947	2,178	2,321	2,402	2,673	2,878	2,962	3,035
Kansas	1,223	1,413	1,505	1,614	2,054	2,202	2,336	2,719	2,336	2,439	2,640	2,937	2,972
Kentucky	930	1,012	1,061	1,144	1,457	1,636	1,819	1,903	1,737	2,055	2,018	2,443	2,583
Louisiana	967	985	1,328	1,160	1,315	1,282	1,403	1,702	2,059	2,129	2,420	2,324	2,444
Maine	1,014	1,078	1,167	1,323	1,744	2,002	2,274	2,501	2,756	3,022	3,072	3,666	3,597
Maryland	1,341	1,490	1,613	1,708	1,971	2,104	2,188	2,429	2,612	2,964	2,841	3,463	3,447
Massachusetts	1,535	1,669	1,643	1,778	2,352	2,545	2,542	2,760	2,866	2,981	3,050	3,627	4,004
Michigan	1,272	1,365	1,517	1,477	1,849	1,870	2,005	2,175	2,295	2,447	2,725	3,196	3,463
Minnesota	1,279	1,276	1,432	1,530	1,987	2,566	2,744	2,818	2,859	2,991	3,077	3,319	3,313
Mississippi	837	929	980	850	1,324	1,363	1,489	1,624	1,781	1,840	1,874	1,964	2,117
Missouri	1,084	1,221	1,255	1,357	1,694	1,814	1,846	2,009	2,149	2,240	2,387	2,387	2,553
Montana	1,334	1,439	2,696	(^a)	(^a)	2,782	7,574	2,320	4,123	7,647	2,545	3,348	3,046
Nebraska	1,144	1,294	1,401	1,526	1,737	1,811	1,877	2,050	2,681	2,800	3,250	3,221	3,283
Nevada	1,128	1,184	1,470	1,438	1,821	1,873	1,983	2,054	2,227	2,473	2,609	2,673	2,671
New Hampshire	1,014	1,100	1,183	1,361	1,794	2,109	2,297	2,596	2,923	3,212	3,226	3,292	3,379
New Jersey	1,630	1,852	1,964	2,152	2,942	2,961	3,230	3,552	3,620	3,854	4,971	5,363	5,046
New Mexico	1,216	1,358	1,532	1,561	1,337	1,709	1,853	2,146	2,325	2,485	2,209	2,122	2,095
New York	1,608	1,696	1,875	2,073	3,118	3,400	3,681	4,147	4,539	5,246	4,653	5,102	5,238
North Carolina	975	982	1,178	1,016	1,757	1,914	2,082	2,249	2,472	2,622	2,580	2,703	2,757
North Dakota	1,140	1,331	1,543	1,615	2,026	1,845	1,840	1,998	2,123	2,049	2,435	2,419	2,482
Ohio	1,008	1,298	1,429	1,540	2,036	1,883	1,985	2,146	2,268	2,430	2,682	2,828	2,910
Oklahoma	978	1,117	1,268	1,430	1,701	1,883	1,897	1,995	1,812	2,022	2,109	2,317	2,390
Oregon	1,334	1,612	1,746	1,932	2,212	2,207	2,344	2,419	2,746	2,881	3,028	3,160	3,145
Pennsylvania	1,109	1,266	1,312	1,416	1,981	2,132	2,412	2,631	2,835	3,063	3,371	3,773	3,505
Rhode Island	1,475	1,717	1,865	2,191	2,114	2,269	2,470	2,704	3,630	3,809	3,916	4,178	4,372
South Carolina	912	1,053	1,161	1,008	1,467	1,518	1,933	2,027	2,292	2,333	2,398	2,483	2,537
South Dakota	1,020	1,112	1,251	1,309	1,683	1,716	1,747	1,776	1,936	2,011	2,392	2,411	2,585
Tennessee	872	963	990	1,097	1,392	1,560	1,665	1,944	2,128	2,011	1,994	2,267	2,389
Texas	1,117	1,247	1,408	1,298	1,660	1,557	1,738	1,896	2,132	2,171	2,254	2,493	2,687
Utah	898	1,031	1,014	(^a)	1,447	1,450	1,484	1,534	1,624	1,722	1,787	1,844	2,094
Vermont	1,314	1,481	1,633	1,739	1,845	2,564	2,674	2,865	3,217	3,627	3,644	3,973	4,003
Virginia	1,048	1,157	1,213	1,335	1,871	2,475	2,704	2,892	2,688	2,854	2,741	2,886	2,939
Washington	1,323	1,561	1,554	1,586	1,748	2,028	2,136	2,248	2,488	2,768	2,944	3,077	3,122
West Virginia	1,056	1,192	1,378	1,480	1,829	1,625	1,842	1,905	2,003	2,263	2,598	3,209	3,375
Wisconsin	1,320	1,612	1,853	1,743	2,554	2,754	3,062	3,007	3,252	3,515	3,552	3,679	3,792
Wyoming	1,425	1,537	1,896	2,079	2,688	2,851	2,629	2,698	2,861	3,033	3,207	3,193	3,266

^a No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.1.4.—Means of instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,197	1,338	1,457	1,499	1,977	2,101	2,298	2,493	2,642	2,845	2,917	3,133	3,213
Northeast	1,449	1,589	1,689	1,863	2,642	2,866	3,167	3,533	3,770	4,112	4,293	4,601	4,672
Midwest	1,207	1,366	1,483	1,522	1,944	2,024	2,178	2,345	2,469	2,647	2,822	3,068	3,186
South	1,050	1,169	1,307	1,279	1,682	1,782	1,985	2,150	2,274	2,411	2,438	2,655	2,766
West	1,262	1,413	1,538	1,595	1,940	2,134	2,233	2,363	2,581	2,764	2,754	2,813	2,812
Alabama	878	966	1,057	1,016	1,282	1,268	1,444	1,487	1,532	1,680	1,846	2,150	2,325
Alaska	2,613	3,167	3,213	3,522	4,173	3,952	4,064	4,149	4,324	4,305	4,246	4,085	4,151
Arizona	890	1,005	1,394	1,101	1,518	2,026	1,844	1,896	1,960	2,492	2,152	2,280	2,295
Arkansas	849	1,021	1,079	1,103	1,508	1,519	1,660	1,761	1,817	1,925	2,180	2,466	2,565
California	1,289	1,404	1,549	1,563	2,027	2,255	2,375	2,528	2,812	2,945	2,873	2,888	2,825
Colorado	1,231	1,378	1,510	1,407	2,049	2,245	2,324	2,359	2,477	2,640	2,709	2,812	2,788
Connecticut	1,474	1,514	1,878	2,087	2,502	2,848	3,315	3,784	4,155	4,423	4,626	4,884	5,083
Delaware	1,425	1,485	1,455	1,769	2,101	2,842	3,055	3,282	3,474	3,540	3,550	3,783	3,988
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	1,118	1,250	1,612	1,465	1,938	2,014	2,160	2,353	2,534	2,706	2,678	2,693	2,802
Georgia	968	1,127	1,197	1,140	1,499	1,950	2,145	2,230	2,452	2,656	2,576	2,826	2,825
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	938	1,038	1,116	1,199	1,269	1,345	1,549	1,605	1,704	1,880	1,978	2,155	2,273
Illinois	1,320	1,376	1,427	1,507	1,643	1,870	1,972	2,077	2,226	2,444	2,587	2,844	2,867
Indiana	1,037	1,171	1,211	1,184	1,498	1,608	1,857	2,253	2,357	2,627	2,692	2,975	3,083
Iowa	1,502	1,482	1,573	1,503	1,863	1,969	2,178	2,314	2,432	2,686	2,881	3,017	3,048
Kansas	1,218	1,392	1,531	1,676	2,119	2,179	2,441	2,791	2,384	2,463	2,667	2,902	2,996
Kentucky	990	1,092	1,126	1,177	1,538	1,717	1,961	2,071	1,822	2,156	2,119	2,543	2,674
Louisiana	971	967	1,296	1,133	1,267	1,249	1,391	1,720	2,085	2,108	2,419	2,386	2,445
Maine	1,023	1,115	1,223	1,318	1,797	2,032	2,314	2,588	2,854	3,055	3,142	3,730	3,667
Maryland	1,395	1,527	1,673	1,825	2,093	2,217	2,376	2,602	2,847	3,111	3,039	3,683	3,641
Massachusetts	1,600	1,749	1,729	1,903	2,481	2,672	2,738	2,948	3,093	3,160	3,202	3,745	4,055
Michigan	1,278	1,394	1,533	1,468	1,849	1,898	2,080	2,244	2,393	2,537	2,787	3,274	3,524
Minnesota	1,303	1,310	1,510	1,563	2,024	2,619	2,722	2,878	2,905	3,050	3,152	3,389	3,443
Mississippi	847	935	984	856	1,281	1,379	1,513	1,674	1,805	1,848	1,906	1,980	2,131
Missouri	1,127	1,246	1,278	1,362	1,815	1,970	1,984	2,132	2,263	2,442	2,524	2,562	2,803
Montana	1,404	1,469	2,672	()	()	2,715	7,574	2,387	3,971	7,647	2,545	3,721	3,362
Nebraska	1,156	1,300	1,436	1,566	1,735	1,814	1,908	2,037	2,686	2,837	3,188	3,356	3,515
Nevada	1,142	1,218	1,492	1,511	1,926	1,936	2,046	2,133	2,304	2,542	2,702	2,744	2,774
New Hampshire	1,004	1,129	1,236	1,386	1,845	2,103	2,321	2,630	2,931	3,205	3,232	3,381	3,452
New Jersey	1,619	1,852	1,958	2,162	2,929	3,001	3,256	3,660	3,638	3,871	5,131	5,418	5,141
New Mexico	1,202	1,311	1,563	1,652	1,321	1,704	1,833	2,119	2,350	2,463	2,213	2,140	2,170
New York	1,730	1,824	2,023	2,243	3,146	3,441	3,820	4,317	4,605	5,152	4,960	5,258	5,466
North Carolina	988	992	1,192	1,038	1,789	1,931	2,100	2,276	2,516	2,657	2,623	2,731	2,793
North Dakota	1,155	1,299	1,576	1,566	2,079	1,893	1,917	2,030	2,152	2,137	2,549	2,516	2,575
Ohio	1,056	1,379	1,497	1,630	2,133	1,993	2,062	2,247	2,398	2,528	2,755	2,970	3,036
Oklahoma	996	1,125	1,278	1,431	1,718	1,922	1,925	2,051	1,847	1,993	2,116	2,290	2,392
Oregon	1,335	1,587	1,727	1,911	2,221	2,212	2,344	2,436	2,759	2,904	3,076	3,244	3,213
Pennsylvania	1,162	1,311	1,316	1,433	2,040	2,205	2,496	2,730	2,942	3,175	3,495	3,876	3,710
Rhode Island	1,500	1,708	1,875	2,212	2,098	2,255	2,447	2,652	3,741	3,890	3,939	4,245	4,443
South Carolina	938	1,065	1,162	1,022	1,486	1,531	1,943	2,052	2,305	2,387	2,439	2,505	2,579
South Dakota	1,035	1,142	1,264	1,325	1,694	1,744	1,781	1,812	1,953	2,019	2,462	2,459	2,603
Tennessee	937	1,034	1,048	1,143	1,473	1,626	1,796	2,061	2,197	2,070	2,094	2,331	2,447
Texas	1,136	1,274	1,423	1,328	1,696	1,607	1,800	1,955	2,181	2,229	2,296	2,524	2,727
Utah	921	1,064	1,026	()	1,447	1,487	1,498	1,568	1,664	1,788	1,843	1,908	2,122
Vermont	1,220	1,372	1,516	1,778	2,005	2,677	2,751	3,028	3,349	3,650	3,859	4,061	4,174
Virginia	1,114	1,249	1,290	1,385	1,928	2,606	2,884	3,122	2,826	3,008	2,898	2,989	3,099
Washington	1,379	1,621	1,598	1,629	1,814	2,078	2,192	2,327	2,552	2,814	2,975	3,100	3,165
West Virginia	1,073	1,201	1,368	1,447	1,871	1,646	1,838	1,904	2,026	2,291	2,608	3,245	3,375
Wisconsin	1,336	1,629	1,923	1,802	2,561	2,784	3,089	3,046	3,279	3,519	3,572	3,731	3,842
Wyoming	1,456	1,661	1,934	2,213	2,843	2,953	2,830	2,883	3,065	3,211	3,353	3,311	3,394

* No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.1.5.—Ninety-fifth percentiles of instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,721	1,931	2,117	2,266	3,118	3,400	3,681	4,147	4,492	4,839	4,653	5,102	5,238
Northeast	2,216	2,391	2,517	2,815	3,904	4,162	4,741	5,390	5,610	6,117	6,318	6,548	6,770
Midwest	1,570	1,803	2,043	2,151	2,751	2,934	3,165	3,269	3,388	3,669	3,804	4,170	4,226
South	1,426	1,607	1,825	1,784	2,288	2,617	2,857	3,076	3,142	3,332	3,221	3,560	3,627
West	1,715	1,865	1,994	2,079	2,526	2,667	2,895	3,195	3,615	3,726	3,573	3,514	3,432
Alabama	1,053	1,097	1,224	1,150	1,479	1,486	1,860	1,828	1,901	2,053	2,217	2,601	2,789
Alaska	5,541	5,223	5,007	6,329	7,089	7,012	8,053	7,914	8,402	8,138	7,724	7,716	7,504
Arizona	1,045	1,133	1,824	1,358	1,795	2,364	2,974	2,198	2,524	2,786	2,592	2,826	2,830
Arkansas	1,200	1,339	1,419	1,443	1,815	1,877	1,828	2,224	2,330	2,585	2,861	3,153	3,377
California	1,537	1,729	1,790	1,717	2,267	2,519	2,895	3,195	3,615	3,726	3,573	3,514	3,143
Colorado	1,782	1,926	2,119	1,894	2,803	2,739	2,769	2,765	2,794	3,065	3,176	3,287	3,331
Connecticut	1,923	2,042	2,560	2,879	3,354	3,583	4,214	4,548	5,046	5,421	5,556	6,004	6,230
Delaware	1,636	1,660	1,663	2,160	2,376	3,203	3,451	3,624	3,882	3,876	3,849	4,018	4,272
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	1,334	1,418	1,830	1,745	2,288	2,366	2,529	2,788	3,014	3,250	3,221	3,178	3,336
Georgia	1,278	1,479	1,640	1,444	1,925	2,617	2,761	2,882	3,352	3,514	3,499	3,766	3,946
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	1,164	1,245	1,456	1,494	1,636	1,730	1,985	2,092	2,136	2,420	2,503	2,729	2,843
Illinois	1,564	1,562	1,646	1,762	2,198	2,128	2,254	2,328	2,504	2,839	3,068	3,472	3,340
Indiana	1,279	1,412	1,470	1,449	1,823	2,027	2,245	2,822	2,945	3,233	3,281	3,695	3,663
Iowa	1,721	1,683	1,812	1,715	2,105	2,235	2,479	2,770	2,826	2,993	3,237	3,474	3,460
Kansas	1,499	1,697	1,910	2,113	2,713	2,645	3,021	3,506	3,060	3,073	3,308	3,714	3,806
Kentucky	1,319	1,440	1,451	1,527	1,901	2,189	2,455	2,662	2,442	2,617	2,621	3,113	3,270
Louisiana	1,109	1,062	1,528	1,292	1,416	1,417	1,612	1,933	2,439	2,380	2,867	2,752	2,853
Maine	1,320	1,465	1,536	1,752	2,329	2,548	2,920	3,270	3,546	3,745	3,972	4,831	4,601
Maryland	1,792	2,005	2,215	2,635	2,894	2,993	3,288	3,452	3,948	4,175	4,056	4,784	4,685
Massachusetts	2,251	2,471	2,262	2,815	3,489	4,035	4,094	4,573	4,760	4,527	4,470	5,320	5,390
Michigan	1,629	1,807	2,122	2,004	2,448	2,533	2,889	3,036	3,479	3,633	3,736	4,375	4,566
Minnesota	1,606	1,619	1,823	2,063	2,426	3,170	3,239	3,427	3,384	3,607	3,956	4,381	4,497
Mississippi	999	1,092	1,143	1,011	1,539	1,596	1,739	1,899	2,090	2,116	2,218	2,254	2,441
Missouri	1,470	1,546	1,595	1,724	2,513	2,682	2,745	3,036	3,213	3,803	3,997	3,788	4,130
Montana	1,734	1,630	2,964	(^a)	(^a)	2,782	7,574	3,175	4,123	7,647	2,545	6,625	5,613
Nebraska	1,510	1,753	1,906	2,106	2,328	2,493	2,572	2,776	3,476	3,633	4,223	4,380	4,560
Nevada	1,242	1,327	1,714	1,636	2,236	2,087	2,254	2,327	2,601	2,778	3,028	3,029	3,156
New Hampshire	1,227	1,421	1,540	1,681	2,194	2,577	2,848	3,237	3,647	3,990	4,175	4,758	4,326
New Jersey	2,070	2,368	2,459	2,732	3,679	3,695	4,001	4,598	4,526	4,884	6,330	6,738	6,158
New Mexico	1,391	1,517	1,847	1,889	1,406	2,066	1,951	2,311	2,825	3,398	2,752	2,435	2,374
New York	2,530	2,670	2,939	3,289	4,505	4,795	5,382	6,110	6,478	7,061	7,063	7,224	7,493
North Carolina	1,148	1,140	1,360	1,207	2,025	2,177	2,375	2,602	2,849	3,029	2,953	3,073	3,166
North Dakota	1,406	1,559	1,868	1,903	2,546	2,318	2,472	2,620	2,710	2,747	3,220	3,156	3,215
Ohio	1,461	2,007	2,069	2,196	2,756	2,708	2,588	2,901	3,189	3,334	3,586	3,921	3,885
Oklahoma	1,252	1,293	1,579	1,659	2,010	2,347	2,163	2,329	2,242	2,210	2,626	2,594	2,648
Oregon	1,487	1,766	1,950	2,155	2,521	2,510	2,692	2,946	3,183	3,321	3,573	3,713	3,799
Pennsylvania	1,528	1,859	1,751	2,025	2,775	2,946	3,666	3,968	4,096	4,296	4,674	5,082	5,015
Rhode Island	1,779	2,047	2,261	2,576	2,417	2,588	2,953	3,221	4,287	4,502	4,524	4,818	5,058
South Carolina	1,155	1,312	1,372	1,172	1,735	1,722	2,220	2,271	2,590	2,754	2,814	2,802	2,955
South Dakota	1,238	1,353	1,532	1,560	2,150	2,300	2,160	2,152	2,496	2,427	3,154	2,985	3,114
Tennessee	1,266	1,500	1,391	1,495	1,918	2,172	2,462	2,854	2,870	2,606	2,584	2,790	2,924
Texas	1,418	1,624	1,847	1,742	2,058	1,979	2,188	2,327	2,668	2,687	2,703	3,025	3,201
Utah	1,118	1,269	1,327	(^a)	1,762	1,819	1,768	1,868	1,899	2,063	2,132	2,193	2,436
Vermont	1,526	1,710	1,996	2,670	2,980	4,875	3,909	4,235	4,717	4,721	5,738	6,040	5,572
Virginia	1,426	1,607	1,629	1,669	2,649	3,363	3,867	4,047	3,526	3,787	3,695	3,907	3,832
Washington	1,842	2,082	2,075	2,047	2,234	2,520	2,746	2,878	3,008	3,189	3,343	3,528	3,717
West Virginia	1,244	1,367	1,574	1,621	2,218	1,865	2,164	2,105	2,398	2,677	2,922	3,556	3,693
Wisconsin	1,594	2,002	2,530	2,266	3,086	3,322	3,912	3,565	3,878	4,475	4,279	4,568	4,653
Wyoming	1,827	2,004	2,478	2,896	3,514	3,852	3,538	3,879	3,998	4,401	4,340	4,006	4,314

^a No unified districts.

SOURCE: U.S. Department of Commerce; Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.1.6.—Fifth percentiles of instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	806	914	978	969	1,262	1,315	1,464	1,592	1,655	1,780	1,868	2,053	2,168
Northeast	903	1,004	1,060	1,148	1,648	1,806	2,005	2,197	2,362	2,543	2,686	2,988	3,100
Midwest	826	993	1,044	1,081	1,351	1,413	1,567	1,679	1,792	1,872	2,043	2,133	2,241
South	770	856	929	918	1,194	1,215	1,335	1,500	1,566	1,692	1,784	2,004	2,138
West	849	1,006	1,038	1,138	1,311	1,434	1,484	1,534	1,637	1,722	1,795	1,874	2,054
Alabama	752	822	912	905	1,154	1,141	1,189	1,309	1,360	1,482	1,592	1,899	2,021
Alaska	1,972	2,521	2,758	2,697	3,359	3,059	3,134	3,123	3,206	3,377	3,457	3,161	3,229
Arizona	699	879	1,147	943	1,280	1,705	1,488	1,554	1,651	2,083	1,819	1,973	1,976
Arkansas	677	819	867	898	1,308	1,317	1,446	1,509	1,546	1,595	1,893	2,142	2,206
California	1,039	1,150	1,259	1,304	1,723	1,947	1,949	2,068	2,284	2,384	2,335	2,407	2,472
Colorado	952	1,105	1,209	1,138	1,609	1,789	1,872	2,027	2,106	2,171	2,331	2,383	2,428
Connecticut	1,131	1,165	1,418	1,604	1,862	2,208	2,731	3,082	3,443	3,629	3,840	3,985	4,169
Delaware	1,037	1,148	1,200	1,324	1,702	2,250	2,432	2,681	2,649	2,916	3,023	3,128	3,290
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	937	1,080	1,347	1,260	1,604	1,746	1,877	2,044	2,168	2,331	2,249	2,311	2,414
Georgia	764	883	964	932	1,194	1,484	1,741	1,792	2,008	2,129	2,096	2,286	2,288
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	759	853	930	979	977	1,096	1,263	1,345	1,430	1,603	1,669	1,824	1,890
Illinois	943	1,058	1,129	1,165	1,277	1,395	1,465	1,551	1,622	1,722	1,807	1,914	2,031
Indiana	782	893	927	883	1,149	1,271	1,476	1,780	1,918	2,126	2,183	2,384	2,482
Iowa	1,288	1,280	1,365	1,299	1,617	1,685	1,885	1,981	2,097	2,333	2,497	2,606	2,694
Kansas	972	1,115	1,275	1,370	1,730	1,691	1,989	2,232	1,903	1,918	2,065	2,249	2,317
Kentucky	798	852	903	969	1,225	1,365	1,588	1,641	1,510	1,804	1,771	2,119	2,240
Louisiana	766	732	1,084	901	969	979	1,078	1,426	1,632	1,709	1,995	1,967	2,007
Maine	844	918	996	1,017	1,493	1,669	1,909	2,185	2,362	2,583	2,585	3,125	3,039
Maryland	1,120	1,241	1,396	1,463	1,721	1,850	2,016	2,211	2,442	2,627	2,658	3,252	3,312
Massachusetts	1,230	1,333	1,341	1,421	1,864	2,011	1,997	2,176	2,290	2,325	2,281	2,553	3,135
Michigan	949	1,030	1,098	1,121	1,403	1,377	1,609	1,743	1,825	1,908	2,190	2,555	2,797
Minnesota	1,053	1,051	1,080	1,218	1,619	2,134	2,245	2,354	2,435	2,531	2,614	2,769	2,888
Mississippi	704	787	792	724	996	1,154	1,274	1,446	1,561	1,574	1,642	1,672	1,838
Missouri	841	960	967	1,019	1,323	1,431	1,469	1,569	1,655	1,733	1,835	1,855	1,994
Montana	1,102	1,373	2,696	(^a)	(^a)	1,909	7,574	2,222	1,923	7,647	2,545	2,590	2,466
Nebraska	905	1,017	1,124	1,217	1,362	1,403	1,488	1,646	2,179	2,292	2,538	2,768	2,907
Nevada	1,100	1,144	1,373	1,438	1,821	1,873	1,983	2,054	2,227	2,459	2,609	2,673	2,671
New Hampshire	767	915	961	1,093	1,382	1,693	1,840	2,073	2,276	2,485	2,375	2,471	2,764
New Jersey	1,293	1,423	1,513	1,643	2,158	2,209	2,398	2,720	2,686	2,882	4,021	4,338	4,179
New Mexico	1,043	999	925	1,406	1,161	1,505	1,525	1,771	2,051	1,970	1,880	1,884	1,916
New York	1,231	1,333	1,462	1,621	2,323	2,622	2,937	3,315	3,498	3,833	3,931	4,117	4,354
North Carolina	866	862	1,062	917	1,615	1,718	1,854	1,987	2,198	2,364	2,316	2,440	2,515
North Dakota	932	1,037	1,273	1,241	1,709	1,580	1,570	1,671	1,721	1,720	2,033	1,991	2,078
Ohio	743	993	1,081	1,192	1,624	1,512	1,583	1,690	1,796	1,896	2,094	2,199	2,303
Oklahoma	794	922	1,047	1,219	1,454	1,600	1,676	1,823	1,558	1,748	1,755	1,935	2,056
Oregon	1,138	1,394	1,450	1,622	1,879	1,867	2,028	2,089	2,378	2,477	2,540	2,849	2,888
Pennsylvania	858	944	1,001	1,079	1,547	1,656	1,889	2,051	2,205	2,390	2,682	2,965	2,913
Rhode Island	1,266	1,451	1,546	1,877	1,770	1,924	2,032	2,249	3,325	3,359	3,476	3,842	4,056
South Carolina	787	879	1,005	893	1,330	1,347	1,704	1,755	1,944	2,028	2,077	2,134	2,236
South Dakota	840	958	1,048	1,120	1,429	1,465	1,475	1,489	1,602	1,683	2,054	2,122	2,169
Tennessee	700	772	791	877	1,127	1,232	1,363	1,568	1,722	1,540	1,597	1,830	1,935
Texas	867	948	1,067	1,021	1,376	1,337	1,496	1,621	1,840	1,884	1,935	2,140	2,285
Utah	807	900	842	(^a)	1,268	1,323	1,357	1,411	1,515	1,625	1,705	1,733	1,876
Vermont	849	969	1,018	1,188	1,337	1,352	1,940	2,129	2,536	2,706	3,029	3,093	3,172
Virginia	869	978	1,060	1,138	1,520	1,993	2,283	2,479	2,285	2,504	2,362	2,450	2,576
Washington	1,109	1,300	1,293	1,322	1,528	1,744	1,842	2,005	2,253	2,524	2,673	2,771	2,858
West Virginia	920	1,030	1,177	1,252	1,638	1,438	1,636	1,685	1,781	2,059	2,395	2,900	3,061
Wisconsin	1,108	1,302	1,505	1,421	2,066	2,241	2,403	2,448	2,670	2,883	2,913	3,019	3,130
Wyoming	1,209	1,391	1,633	1,777	2,411	2,453	2,346	2,533	2,711	2,738	2,900	2,950	2,970

^a No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.1.7.—Standard deviations for instructional expenditures per pupil for unified districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	316	339	375	427	602	662	724	805	837	943	940	979	983
Northeast	397	419	467	539	725	765	865	999	1,049	1,194	1,151	1,106	1,126
Midwest	255	258	366	307	457	512	497	497	508	622	548	640	713
South	215	242	277	301	346	444	493	505	481	509	473	493	478
West	318	346	339	416	502	475	517	536	599	580	570	547	494
Alabama	93	92	116	91	103	116	236	157	164	166	193	224	243
Alaska	1,193	1,092	916	1,377	1,416	1,355	1,632	1,641	1,637	1,519	1,277	1,404	1,359
Arizona	135	131	220	179	222	254	355	212	269	315	240	253	252
Arkansas	137	159	162	162	159	167	155	212	219	275	248	278	318
California	170	181	185	170	206	232	326	389	456	467	448	391	251
Colorado	241	249	266	224	351	355	315	252	268	275	296	283	271
Connecticut	260	267	336	375	419	393	442	480	522	595	601	654	675
Delaware	256	214	160	308	286	389	422	372	400	340	261	506	448
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	126	122	163	153	215	203	214	243	283	331	324	296	295
Georgia	156	190	187	162	218	347	329	348	381	416	396	421	418
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	134	128	168	173	232	230	265	271	279	278	283	322	350
Illinois	228	164	172	193	291	277	282	304	344	431	465	593	505
Indiana	196	185	194	199	229	259	273	339	345	402	383	456	470
Iowa	148	137	136	134	169	188	198	231	233	226	249	300	250
Kansas	170	196	218	243	313	336	360	398	377	385	422	441	514
Kentucky	180	206	186	178	252	292	337	371	286	273	286	344	379
Louisiana	115	97	137	128	147	147	173	187	253	238	306	262	248
Maine	151	170	225	202	273	288	319	336	368	374	385	493	477
Maryland	198	231	269	378	377	373	403	407	492	485	444	495	461
Massachusetts	313	341	317	420	504	560	637	708	751	703	742	938	756
Michigan	225	264	317	271	337	363	396	438	484	522	495	578	569
Minnesota	284	186	825	280	271	356	337	363	360	408	409	489	558
Mississippi	105	109	115	88	168	154	144	201	168	161	194	234	208
Missouri	225	220	235	252	638	841	411	451	467	1,098	594	604	1,335
Montana	294	78	338	(¹)	(¹)	232	(¹)	263	589	(¹)	(¹)	1,329	1,028
Nebraska	184	219	237	253	291	315	314	329	430	456	503	539	542
Nevada	53	74	124	122	203	156	163	182	221	224	239	234	263
New Hampshire	137	161	215	198	278	306	315	354	401	464	510	563	523
New Jersey	242	282	286	329	470	450	550	646	634	735	949	746	647
New Mexico	114	130	279	207	87	182	163	255	304	432	298	244	232
New York	437	454	512	580	667	694	797	876	946	996	1,033	987	968
North Carolina	90	83	97	84	135	152	171	198	227	225	534	216	214
North Dakota	159	155	245	218	355	283	311	309	335	388	441	456	456
Ohio	241	310	324	354	423	398	361	443	472	486	523	701	568
Oklahoma	173	141	203	168	204	261	205	215	262	192	293	238	257
Oregon	370	134	171	197	187	236	203	229	282	291	341	298	331
Pennsylvania	244	276	241	283	378	418	491	540	583	617	625	694	683
Rhode Island	160	197	208	227	250	264	319	324	315	325	306	353	410
South Carolina	186	123	118	93	123	120	180	185	234	257	261	229	248
South Dakota	143	136	172	145	264	270	339	205	273	207	397	319	297
Tennessee	182	217	196	212	267	300	344	388	374	359	345	348	327
Texas	199	236	260	236	246	234	250	267	323	298	284	291	323
Utah	99	121	143	(¹)	134	163	151	167	156	181	180	197	206
Vermont	303	290	313	423	551	864	715	715	642	691	720	810	810
Virginia	240	261	246	258	366	497	570	636	492	512	490	455	476
Washington	213	239	225	223	247	273	286	284	283	286	282	300	290
West Virginia	99	108	122	134	161	133	153	133	167	189	147	195	190
Wisconsin	161	220	322	278	335	352	479	366	379	448	410	447	450
Wyoming	185	208	277	382	464	635	447	462	495	551	566	485	461

¹ One unified district.² No unified districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.1.—Number of elementary districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	3,966	2,844	3,970	3,024	2,745	3,679	2,940	2,820	3,616	2,803	3,579	3,041	2,433
Northeast	1,008	654	1,033	769	513	805	697	679	856	671	872	577	605
Midwest	1,442	1,338	1,389	1,320	1,278	1,291	1,294	1,222	1,233	1,225	1,218	1,136	1,090
South	189	32	202	50	105	267	110	105	257	98	244	93	98
West	1,327	820	1,346	885	849	1,316	839	814	1,270	809	1,245	1,235	640
Alabama	1	0	1	1	1	1	1	1	2	1	1	1	0
Alaska	2	2	1	0	0	0	0	0	0	0	0	0	0
Arizona	119	25	114	22	28	108	26	31	108	30	108	112	110
Arkansas	1	0	1	0	0	1	0	2	1	0	1	0	1
California	650	648	650	674	645	645	635	623	614	618	612	610	56
Colorado	2	0	3	0	0	1	0	0	1	0	1	0	0
Connecticut	47	47	47	47	47	47	45	45	45	45	45	45	46
Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	1	0	0	0	0	0	0
Georgia	6	0	8	0	0	8	0	0	8	0	7	0	7
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	9	2	9	7	9	9	8	8	8	9	8	8	8
Illinois	441	440	437	437	442	428	420	418	410	411	408	409	402
Indiana	8	1	8	17	6	8	2	1	7	1	1	1	1
Iowa	0	0	2	0	0	4	19	26	42	51	53	41	38
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	2
Kentucky	4	0	4	1	0	0	0	0	4	0	4	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	104	102	100	105	91	105	97	105	107	96	110	109	111
Maryland	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts	148	148	146	143	133	69	108	106	102	103	99	95	92
Michigan	42	27	40	35	34	35	24	21	21	25	32	35	32
Minnesota	32	32	32	32	5	16	29	36	47	59	67	50	44
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	94	91	91	91	94	96	93	93	91	90	88	86	84
Montana	357	72	381	83	84	373	87	74	363	75	354	338	322
Nebraska	706	687	671	653	586	584	551	517	495	478	450	412	380
Nevada	1	1	1	1	1	0	1	1	1	1	1	1	1
New Hampshire	81	23	82	82	83	83	81	84	82	84	88	86	88
New Jersey	326	146	324	148	128	303	135	108	289	109	296	36	36
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
New York	108	108	136	136	19	16	42	43	44	44	45	18	42
North Carolina	0	0	1	0	0	0	0	0	0	0	0	0	0
North Dakota	58	3	50	2	60	61	60	60	60	60	64	53	57
Ohio	3	3	3	1	1	1	48	1	1	1	1	1	1
Oklahoma	160	15	159	14	9	156	9	3	144	2	138	2	2
Oregon	131	14	131	14	29	126	30	25	124	25	111	116	93
Pennsylvania	0	0	0	27	0	0	2	1	2	2	2	2	2
Rhode Island	11	11	11	11	11	8	5	5	5	4	4	4	4
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	5	1	5	3	1	12	3	3	13	3	8	2	2
Tennessee	15	15	15	13	14	15	14	14	14	14	14	14	15
Texas	1	1	1	4	81	86	83	83	82	79	77	74	72
Utah	0	0	0	28	0	0	0	0	0	0	0	0	0
Vermont	183	69	187	70	1	174	182	182	180	184	183	182	184
Virginia	1	1	12	17	0	0	2	2	2	2	2	2	1
Washington	53	53	53	51	51	52	50	50	49	49	48	48	48
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	53	53	50	49	49	46	45	46	46	46	46	46	47
Wyoming	3	3	3	5	2	2	2	2	2	2	2	2	2

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.2.—Enrollments of elementary districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	(In thousands)												
	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	3,969	3,717	4,100	4,778	2,524	2,086	2,068	2,108	2,357	2,303	2,511	2,351	1,813
Northeast	1,872	1,756	1,944	1,827	359	353	316	305	389	317	416	233	258
Midwest	894	858	720	810	1,026	488	516	499	515	534	552	548	560
South	45	23	306	413	27	57	31	30	57	35	53	35	35
West	1,158	1,080	1,130	1,729	1,112	1,188	1,205	1,275	1,396	1,417	1,491	1,534	959
Alabama	(^a)	0	(^a)	5	(^a)	(^a)	(^a)	(^a)	4	(^a)	(^a)	(^a)	0
Alaska	(^a)	(^a)	(^a)	0	0	0	0	0	0	0	0	0	0
Arizona	202	136	147	129	128	144	134	167	213	175	191	199	204
Arkansas	(^a)	0	(^a)	0	0	4	0	2	(^a)	0	(^a)	0	(^a)
California	813	812	824	1,130	889	889	960	1,004	1,025	1,131	1,136	1,172	597
Colorado	(^a)	0	(^a)	0	0	(^a)	0	0	(^a)	0	(^a)	0	0
Connecticut	27	26	25	24	23	24	19	20	21	21	22	22	24
Delaware	0	0	0	0	0	0	0	0	0	0	0	0	0
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	1	0	0	0	0	0	0
Georgia	3	0	4	0	0	5	0	0	4	0	2	0	2
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	1	(^a)	1	1	1	1	1	1	1	1	1	1	1
Illinois	474	461	443	435	937	417	420	434	439	454	461	472	481
Indiana	3	1	3	107	31	4	1	0	3	(^a)	(^a)	(^a)	(^a)
Iowa	0	0	1	0	0	1	4	6	10	12	12	10	9
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	(^a)
Kentucky	1	0	1	94	0	0	0	0	1	0	1	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	27	26	25	25	24	22	22	23	25	24	26	26	26
Maryland	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts	188	168	166	165	137	29	57	58	60	61	63	61	56
Michigan	3	2	3	4	3	3	4	2	2	5	2	5	10
Minnesota	225	216	212	207	9	3	6	9	12	15	26	12	9
Mississippi	0	0	0	0	0	0	0	0	0	0	0	0	0
Missouri	17	16	16	16	12	26	12	12	12	12	12	12	12
Montana	92	104	109	80	61	103	75	69	105	74	112	109	110
Nebraska	19	19	18	18	15	16	15	14	14	14	13	13	12
Nevada	(^a)	(^a)	(^a)	(^a)	(^a)	0	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
New Hampshire	26	16	24	22	27	27	28	30	25	26	32	27	34
New Jersey	291	192	288	181	131	185	118	107	193	116	202	44	45
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
New York	1,260	1,289	1,362	1,339	3	2	22	22	22	24	25	5	26
North Carolina	0	0	13	0	0	0	0	0	0	0	0	0	0
North Dakota	3	(^a)	2	0	4	4	4	4	3	3	4	3	3
Ohio	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	35	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Oklahoma	21	3	21	3	2	20	2	(^a)	21	(^a)	21	(^a)	(^a)
Oregon	40	18	40	17	25	42	26	25	43	27	41	42	37
Pennsylvania	0	0	0	33	0	0	5	(^a)	1	1	1	1	1
Rhode Island	15	15	15	14	14	4	3	3	3	2	2	2	2
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	3	2	3	4	(^a)	1	(^a)	1	1	1	1	1	1
Tennessee	19	18	18	18	14	15	15	15	16	17	16	16	20
Texas	(^a)	(^a)	(^a)	(^a)	11	12	12	11	11	17	11	17	12
Utah	0	0	0	354	0	0	0	0	0	0	0	0	0
Vermont	38	24	39	24	(^a)	58	42	41	41	42	43	44	45
Virginia	1	1	248	293	0	0	1	1	1	1	1	1	(^a)
Washington	8	8	9	8	8	8	8	9	8	9	9	10	10
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	149	141	18	17	16	15	16	17	18	19	20	20	22
Wyoming	1	1	1	11	1	1	1	1	1	1	1	1	1

^a Enrollment less than 500.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.3.—Medians for instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,427	1,575	1,682	1,613	1,913	2,062	2,117	2,230	2,435	2,542	2,550	2,630	2,721
Northeast	1,774	1,795	1,995	2,190	2,200	2,381	2,657	2,837	2,994	3,130	4,066	3,756	4,018
Midwest	1,329	1,420	1,451	1,465	2,018	1,766	1,914	1,998	2,161	2,264	2,451	2,584	2,734
South	881	937	1,434	1,604	1,578	1,755	1,894	2,046	2,072	2,170	2,358	2,287	2,728
West	1,200	1,343	1,448	1,433	1,844	2,076	2,111	2,213	2,421	2,538	2,516	2,597	2,660
Alabama	963	(^a)	1,186	921	1,516	1,295	1,263	1,421	1,506	1,853	2,216	2,551	(^a)
Alaska	7,598	3,114	7,787	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Arizona	802	905	1,276	1,063	1,464	2,007	1,650	1,667	1,801	2,325	2,183	2,275	2,244
Arkansas	1,268	(^a)	2,453	(^a)	(^a)	1,445	(^a)	1,602	2,082	(^a)	2,844	(^a)	3,218
California	1,221	1,355	1,448	1,471	1,858	2,088	2,134	2,243	2,455	2,553	2,549	2,636	2,718
Colorado	1,360	(^a)	1,797	(^a)	(^a)	6,516	(^a)	(^a)	3,861	(^a)	6,341	(^a)	(^a)
Connecticut	1,330	1,373	1,626	1,826	2,273	2,861	3,000	3,501	3,878	4,260	4,439	4,413	4,504
Delaware	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Dist. of Columbia	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Florida	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	2,385	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Georgia	1,010	(^a)	924	(^a)	(^a)	1,207	(^a)	(^a)	2,272	(^a)	2,764	(^a)	2,960
Hawaii	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Idaho	866	970	1,171	1,154	1,770	1,175	2,371	2,283	2,356	2,286	2,710	2,956	2,974
Illinois	1,194	1,350	1,344	1,417	2,018	1,760	1,867	1,956	2,110	2,227	2,398	2,547	2,649
Indiana	850	778	1,023	1,197	1,438	1,112	1,371	1,378	1,686	2,059	2,407	2,876	2,843
Iowa	(^a)	(^a)	1,625	(^a)	(^a)	2,174	2,179	2,469	2,504	3,092	2,569	2,896	2,804
Kansas	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	4,825
Kentucky	789	(^a)	890	1,604	(^a)	(^a)	(^a)	(^a)	1,434	(^a)	1,723	(^a)	(^a)
Louisiana	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Maine	863	924	988	1,201	1,918	2,091	2,365	2,635	2,973	3,311	3,284	3,822	3,889
Maryland	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Massachusetts	1,520	1,760	1,703	1,770	2,200	2,117	2,191	2,404	2,495	2,669	2,623	3,262	3,297
Michigan	801	787	929	1,128	1,046	1,146	1,614	1,593	1,740	2,049	2,300	2,828	3,059
Minnesota	1,506	1,433	1,897	1,684	2,026	2,083	2,261	2,333	2,380	2,615	3,173	3,104	3,036
Mississippi	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Missouri	931	1,055	1,067	1,136	1,439	1,840	1,605	1,797	1,969	1,986	2,075	2,092	2,226
Montana	1,304	1,441	1,962	1,567	2,041	2,096	2,154	2,261	2,388	2,309	2,216	2,558	2,673
Nebraska	986	1,058	1,178	1,237	1,521	1,571	1,709	1,762	2,273	2,374	2,650	2,794	3,027
Nevada	1,622	1,515	2,582	1,703	3,128	(^a)	3,238	4,329	4,704	5,394	4,797	4,906	4,823
New Hampshire	788	1,214	1,156	1,291	1,688	2,016	2,025	2,471	2,777	3,024	3,314	3,175	3,774
New Jersey	1,452	1,682	1,746	1,935	2,408	2,578	2,822	2,950	3,057	3,122	4,272	4,387	4,444
New Mexico	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
New York	1,774	1,795	1,995	2,190	2,880	2,681	3,541	4,365	4,609	4,673	4,757	4,730	5,589
North Carolina	(^a)	(^a)	1,148	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
North Dakota	972	984	1,418	4,890	2,009	1,727	2,058	2,322	2,098	2,065	2,584	2,439	2,571
Ohio	615	964	902	2,728	3,193	2,900	2,989	5,333	4,250	12,500	12,000	7,167	4,111
Oklahoma	951	1,027	1,216	1,250	2,099	2,056	2,256	1,997	1,945	1,946	2,290	2,057	2,456
Oregon	1,162	1,368	1,432	1,609	1,978	1,992	2,033	2,074	2,406	2,531	2,586	2,755	2,866
Pennsylvania	(^a)	(^a)	(^a)	6,362	(^a)	(^a)	2,818	3,045	4,331	3,560	3,592	3,756	3,381
Rhode Island	1,442	1,635	1,727	2,036	2,226	2,444	3,127	3,448	4,822	3,375	3,728	4,062	4,306
South Carolina	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
South Dakota	1,740	1,464	1,698	1,468	1,603	3,420	4,250	4,221	3,757	4,784	5,763	4,759	4,866
Tennessee	834	920	969	1,064	1,347	1,525	1,566	1,777	2,006	1,992	2,016	2,268	2,555
Texas	1,175	1,287	1,508	2,072	2,055	1,925	2,024	2,498	2,947	2,170	2,699	2,287	2,763
Utah	(^a)	(^a)	(^a)	1,184	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Vermont	972	1,141	1,242	1,376	4,425	1,326	2,101	2,342	2,690	3,013	3,348	3,509	3,584
Virginia	1,580	1,776	1,820	1,908	(^a)	(^a)	2,396	2,646	4,525	4,826	4,638	2,347	2,872
Washington	1,078	1,328	1,265	1,222	1,625	1,903	1,975	2,082	2,470	2,614	2,867	3,000	3,104
West Virginia	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Wisconsin	1,880	2,530	1,633	1,642	2,598	2,843	3,008	2,955	3,124	3,470	3,483	3,389	3,486
Wyoming	2,579	2,642	3,755	2,493	3,602	2,766	4,502	3,453	4,650	3,821	5,448	5,075	5,727

^a No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.4.—Means of instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,444	1,583	1,709	1,747	1,931	2,114	2,204	2,303	2,526	2,644	2,823	2,798	2,958
Northeast	1,651	1,761	1,901	2,175	2,357	2,462	2,778	3,027	3,205	3,390	4,051	3,917	4,176
Midwest	1,385	1,574	1,588	1,538	1,857	1,906	2,091	2,154	2,297	2,463	2,630	2,780	2,886
South	963	1,014	1,506	1,668	1,778	1,874	1,989	2,227	2,360	2,274	2,504	2,468	2,774
West	1,174	1,313	1,512	1,411	1,865	2,107	2,107	2,189	2,428	2,554	2,563	2,642	2,678
Alabama	963	()	1,186	921	1,516	1,295	1,263	1,421	1,509	1,853	2,216	2,551	()
Alaska	5,614	5,051	7,787	()	()	()	()	()	()	()	()	()	()
Arizona	831	911	1,308	1,088	1,510	1,978	1,796	1,759	1,876	2,426	2,186	2,306	2,292
Arkansas	1,268	()	2,453	()	()	1,445	()	1,668	2,082	()	2,844	()	3,218
California	1,235	1,356	1,464	1,490	1,887	2,114	2,140	2,252	2,534	2,584	2,624	2,684	2,767
Colorado	1,812	()	4,187	()	()	6,516	()	()	3,861	()	6,341	()	()
Connecticut	1,328	1,337	1,646	1,818	2,323	2,868	3,095	3,537	3,958	4,238	4,323	4,480	4,715
Delaware	()	()	()	()	()	()	()	()	()	()	()	()	()
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	()	()	()	()	()	()	2,385	()	()	()	()	()	()
Georgia	932	()	1,010	()	()	1,267	()	()	2,348	()	2,893	()	3,122
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	856	965	1,141	1,184	1,920	1,422	2,477	2,551	2,540	2,632	2,845	2,943	2,973
Illinois	1,229	1,372	1,389	1,475	1,862	1,892	1,985	2,117	2,251	2,396	2,548	2,733	2,829
Indiana	844	778	1,021	1,256	1,475	1,093	1,450	1,378	1,679	2,059	2,407	2,876	2,843
Iowa	()	()	1,668	()	()	1,740	2,279	2,634	2,472	3,176	2,700	2,928	2,955
Kansas	()	()	()	()	()	()	()	()	()	()	()	()	4,728
Kentucky	792	()	866	1,604	()	()	()	()	1,542	()	1,963	()	()
Louisiana	()	()	()	()	()	()	()	()	()	()	()	()	()
Maine	915	1,020	1,063	1,293	1,995	2,323	2,617	3,008	3,289	3,632	3,695	4,242	4,249
Maryland	()	()	()	()	()	()	()	()	()	()	()	()	()
Massachusetts	1,511	1,844	1,739	1,789	2,361	2,172	2,295	2,522	2,634	2,745	2,725	3,257	3,419
Michigan	883	863	1,044	1,021	1,179	1,396	1,589	1,660	1,765	2,093	2,387	2,755	3,093
Minnesota	1,484	1,537	1,934	1,724	2,156	2,198	2,431	2,467	2,544	2,850	3,415	3,444	3,828
Mississippi	()	()	()	()	()	()	()	()	()	()	()	()	()
Missouri	2,115	2,556	2,881	2,835	1,451	1,723	1,680	1,831	2,007	2,033	2,147	2,181	2,354
Montana	1,392	1,464	2,166	1,591	2,243	2,258	2,193	2,255	2,432	2,314	2,409	2,616	2,723
Nebraska	1,057	1,156	1,264	1,354	1,620	1,640	1,791	1,909	2,423	2,555	2,776	2,974	3,258
Nevada	1,622	1,515	2,582	1,703	3,128	()	3,238	4,329	4,704	5,394	4,797	4,906	4,823
New Hampshire	841	1,247	1,310	1,498	2,140	2,285	2,450	2,705	2,999	3,309	3,571	3,489	3,865
New Jersey	1,511	1,714	1,891	2,076	2,460	2,755	3,022	3,121	3,171	3,262	4,506	4,647	4,521
New Mexico	()	()	()	()	()	()	()	()	()	()	()	()	()
New York	1,766	1,799	1,971	2,165	3,055	3,155	3,970	5,043	5,080	5,212	5,308	5,374	5,762
North Carolina	()	()	1,148	()	()	()	()	()	()	()	()	()	()
North Dakota	1,000	1,306	1,785	4,671	2,187	2,354	2,329	2,409	2,424	2,465	2,687	2,779	2,923
Ohio	741	1,101	1,045	2,728	3,193	2,900	3,049	5,333	4,250	12,500	12,000	7,167	4,111
Oklahoma	1,006	1,070	1,277	1,361	2,223	2,192	2,108	2,468	2,138	2,378	2,478	2,202	2,517
Oregon	1,143	1,360	1,447	1,650	1,942	2,038	2,096	2,247	2,537	2,591	2,874	2,965	3,028
Pennsylvania	()	()	()	6,988	()	()	2,820	3,045	3,877	3,467	3,726	4,347	3,444
Rhode Island	1,507	1,765	1,805	2,204	2,314	2,613	2,810	3,083	4,259	4,241	3,918	4,101	4,368
South Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
South Dakota	1,501	1,464	1,533	1,618	1,603	3,194	4,519	4,251	3,646	4,221	5,319	4,836	4,999
Tennessee	899	968	1,026	1,082	1,395	1,596	1,703	1,954	2,118	2,036	2,096	2,354	2,610
Texas	1,175	1,287	1,508	2,193	2,222	2,101	2,287	2,674	3,337	2,377	2,950	2,573	2,984
Utah	()	()	()	1,192	()	()	()	()	()	()	()	()	()
Vermont	960	1,110	1,315	1,529	4,425	1,613	2,274	2,392	2,779	3,102	3,588	3,717	3,788
Virginia	1,580	1,776	1,590	1,739	()	()	2,422	2,757	4,253	4,027	3,926	2,507	2,872
Washington	1,157	1,420	1,341	1,307	1,786	2,102	2,212	2,350	2,670	2,892	3,052	3,126	3,190
West Virginia	()	()	()	()	()	()	()	()	()	()	()	()	()
Wisconsin	1,717	2,257	1,733	1,707	2,663	2,935	3,285	3,092	3,280	3,532	3,503	3,549	3,581
Wyoming	2,345	2,649	3,626	2,533	4,492	3,465	5,362	4,887	5,774	5,043	6,193	6,127	6,371

* No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.5.—Ninety-fifth percentiles of instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,880	2,160	2,332	2,237	2,745	3,075	3,349	3,499	3,962	3,876	4,716	4,297	4,891
Northeast	1,998	2,120	2,381	2,903	3,535	3,694	4,069	4,601	4,692	5,150	6,064	5,779	6,131
Midwest	1,880	2,530	2,332	2,106	2,416	3,045	3,373	3,442	3,654	3,876	4,064	4,391	4,487
South	1,580	1,776	1,820	1,981	3,003	3,152	3,288	3,522	4,058	3,339	3,878	3,341	3,984
West	1,567	1,664	2,158	1,747	2,298	2,532	2,524	2,627	2,960	2,965	3,080	3,135	3,068
Alabama	963	(^a)	1,186	921	1,516	1,295	1,263	1,421	1,555	1,853	2,216	2,551	(^a)
Alaska	7,598	7,197	7,787	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Arizona	1,120	1,087	1,602	1,319	1,636	2,205	2,111	2,262	2,745	3,529	2,457	2,707	2,601
Arkansas	1,268	(^a)	2,453	(^a)	(^a)	1,445	(^a)	1,796	2,082	(^a)	2,844	(^a)	3,218
California	1,517	1,645	1,732	1,752	2,254	2,479	2,495	2,619	2,898	2,924	3,064	3,052	3,008
Colorado	2,871	(^a)	19,549	(^a)	(^a)	6,516	(^a)	(^a)	3,861	(^a)	6,341	(^a)	(^a)
Connecticut	1,649	1,689	2,089	2,382	3,116	3,637	3,891	4,429	5,066	5,230	5,235	5,486	5,881
Delaware	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Dist. of Columbia	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Florida	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	2,385	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Georgia	1,211	(^a)	1,555	(^a)	(^a)	2,005	(^a)	(^a)	2,791	(^a)	3,509	(^a)	4,321
Hawaii	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Idaho	1,019	970	1,338	1,226	2,708	2,091	3,735	3,700	4,000	4,818	5,591	4,956	5,222
Illinois	1,687	1,921	1,990	2,209	2,326	2,970	3,077	3,370	3,588	3,732	4,031	4,328	4,487
Indiana	1,129	778	1,218	1,756	1,552	1,263	1,561	1,378	1,922	2,059	2,407	2,876	2,843
Iowa	(^a)	(^a)	1,723	(^a)	(^a)	2,525	3,839	3,683	3,243	4,130	3,783	3,984	3,969
Kansas	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	4,825
Kentucky	964	(^a)	1,078	1,604	(^a)	(^a)	(^a)	(^a)	1,812	(^a)	2,456	(^a)	(^a)
Louisiana	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Maine	1,179	1,397	1,398	2,241	3,158	3,632	3,889	4,814	4,876	5,603	5,529	6,306	6,171
Maryland	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Massachusetts	2,143	2,482	2,662	2,559	3,593	3,224	3,320	3,633	3,656	4,010	3,645	4,660	4,829
Michigan	1,378	1,175	1,520	1,294	1,606	2,048	2,071	2,216	2,385	2,581	3,437	3,399	3,750
Minnesota	1,744	1,934	2,533	2,031	2,267	3,016	3,970	3,887	3,953	4,628	5,207	6,454	7,687
Mississippi	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Missouri	5,109	6,511	7,586	6,751	1,903	1,971	2,261	2,643	2,825	2,859	2,949	3,000	3,282
Montana	1,967	1,806	3,453	2,007	2,936	3,319	3,085	3,229	3,415	3,013	3,349	3,570	3,635
Nebraska	1,637	1,757	1,945	2,105	2,571	2,600	2,857	3,100	3,800	3,987	4,434	4,739	5,048
Nevada	1,622	1,515	2,582	1,703	3,128	(^a)	3,238	4,329	4,704	5,394	4,797	4,906	4,823
New Hampshire	1,163	1,575	1,650	2,548	3,176	3,143	3,955	4,011	4,322	4,842	5,111	5,006	5,331
New Jersey	2,025	2,280	2,546	2,973	3,509	3,894	4,119	4,345	4,379	4,443	6,225	6,750	6,433
New Mexico	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
New York	1,998	2,033	2,264	2,414	6,925	4,925	5,837	6,889	7,476	7,323	7,444	4,835	7,645
North Carolina	(^a)	(^a)	1,148	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
North Dakota	1,667	4,067	3,147	4,890	3,696	6,127	3,800	3,750	4,698	4,413	4,688	5,125	5,341
Ohio	1,348	1,677	1,419	2,728	3,193	2,900	3,795	5,333	4,250	12,500	12,000	7,167	4,111
Oklahoma	1,673	1,323	1,990	1,754	2,793	3,229	3,288	3,308	3,706	3,322	3,729	2,650	2,682
Oregon	1,342	1,418	1,668	1,859	2,128	2,369	2,562	3,823	3,981	4,287	4,584	4,208	4,740
Pennsylvania	(^a)	(^a)	(^a)	11,351	(^a)	(^a)	2,818	3,045	4,331	3,560	3,970	5,230	3,527
Rhode Island	2,096	2,387	2,599	2,987	3,574	4,006	4,438	4,612	5,711	6,211	4,727	4,951	5,215
South Carolina	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
South Dakota	2,051	1,464	2,901	1,799	1,603	4,475	5,400	4,857	4,490	4,784	6,486	6,130	7,412
Tennessee	1,024	1,116	1,215	1,312	1,581	2,084	1,960	2,334	2,482	2,496	2,468	2,676	3,047
Texas	1,175	1,287	1,508	4,228	3,535	3,412	3,806	4,663	6,493	3,523	4,432	3,980	4,545
Utah	(^a)	(^a)	(^a)	1,450	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Vermont	1,289	1,364	2,437	3,234	4,425	3,312	3,681	3,654	3,800	4,462	5,657	5,480	5,686
Virginia	1,580	1,776	1,820	1,981	(^a)	(^a)	2,465	2,953	4,525	4,826	4,638	2,794	2,872
Washington	1,766	2,067	2,104	1,922	2,764	3,047	3,420	3,269	4,468	4,598	4,207	4,588	4,588
West Virginia	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)	(^a)
Wisconsin	1,880	2,530	2,453	2,374	3,823	4,117	4,917	4,464	4,637	5,021	4,632	5,002	4,875
Wyoming	2,653	2,924	3,926	3,466	5,420	4,296	6,472	6,824	7,058	6,598	6,990	7,307	7,120

^a No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.6.—Fifth percentiles of instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	802	934	1,064	1,085	1,365	1,402	1,532	1,552	1,651	1,873	1,918	2,029	2,029
Northeast	1,033	1,243	1,300	1,442	1,467	1,076	1,689	1,920	2,097	2,216	2,301	2,457	2,744
Midwest	854	951	955	1,019	1,242	1,268	1,368	1,400	1,489	1,583	1,713	1,838	1,954
South	704	788	951	1,196	1,137	1,124	1,286	1,602	1,506	1,615	1,767	1,988	2,154
West	742	864	1,115	1,059	1,448	1,764	1,634	1,623	1,680	2,085	2,047	2,108	2,099
Alabama	963	()	1,186	921	1,516	1,295	1,263	1,421	1,506	1,853	2,216	2,551	()
Alaska	3,243	3,114	7,787	()	()	()	()	()	()	()	()	()	()
Arizona	622	730	1,024	934	1,375	1,694	1,532	1,464	1,534	1,996	1,856	1,933	1,921
Arkansas	1,268	()	2,453	()	()	1,445	()	1,602	2,082	()	2,844	()	3,218
California	956	1,042	1,131	1,256	1,555	1,812	1,803	1,936	2,116	2,236	2,203	2,283	2,486
Colorado	1,360	()	1,797	()	()	6,516	()	()	3,861	()	6,341	()	()
Connecticut	1,003	1,004	1,234	1,358	1,719	2,258	2,527	2,692	2,615	2,760	3,420	3,569	4,038
Delaware	()	()	()	()	()	()	()	()	()	()	()	()	()
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	()	()	()	()	()	()	2,385	()	()	()	()	()	()
Georgia	715	()	657	()	()	1,108	()	()	2,072	()	2,373	()	2,634
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	671	970	743	933	1,640	1,117	2,044	2,207	1,787	1,868	1,987	2,011	2,095
Illinois	849	932	955	983	1,247	1,329	1,383	1,415	1,476	1,577	1,707	1,837	1,951
Indiana	649	778	884	1,129	1,415	934	1,371	1,378	1,495	2,059	2,407	2,876	2,843
Iowa	()	()	1,625	()	()	1,011	1,497	1,873	1,621	2,406	1,737	2,059	2,195
Kansas	()	()	()	()	()	()	()	()	()	()	()	()	4,621
Kentucky	680	()	646	1,604	()	()	()	()	1,343	()	1,634	()	()
Louisiana	()	()	()	()	()	()	()	()	()	()	()	()	()
Maine	659	724	788	868	1,258	1,499	1,753	1,885	2,035	2,263	2,196	2,804	2,708
Maryland	()	()	()	()	()	()	()	()	()	()	()	()	()
Massachusetts	1,014	1,154	1,162	1,279	1,692	1,630	1,644	1,806	1,872	1,972	1,904	2,253	2,620
Michigan	565	628	682	657	873	895	1,197	1,316	1,433	1,500	1,632	2,200	2,764
Minnesota	1,170	1,137	1,404	1,367	2,026	1,206	967	1,586	1,884	1,907	2,090	1,838	2,441
Mississippi	()	()	()	()	()	()	()	()	()	()	()	()	()
Missouri	622	753	782	800	1,121	1,291	1,189	1,251	1,429	1,453	1,529	1,585	1,745
Montana	927	1,138	1,235	1,323	1,694	1,626	1,804	1,672	1,820	1,847	1,907	2,091	2,142
Nebraska	655	700	774	880	989	988	1,106	1,262	1,596	1,700	1,839	1,933	2,143
Nevada	1,622	1,515	2,582	1,703	3,128	()	3,238	4,329	4,704	5,394	4,797	4,906	4,823
New Hampshire	591	679	841	892	1,388	1,626	1,756	2,032	2,077	2,312	2,142	2,457	2,572
New Jersey	1,040	1,217	1,317	1,462	1,404	1,969	2,224	2,397	2,394	2,450	3,476	3,638	3,231
New Mexico	()	()	()	()	()	()	()	()	()	()	()	()	()
New York	1,414	1,500	1,574	1,729	1,996	2,486	3,206	3,981	3,986	3,951	4,088	3,988	4,490
North Carolina	()	()	1,148	()	()	()	()	()	()	()	()	()	()
North Dakota	706	753	991	3,856	1,211	1,273	1,197	1,332	1,396	1,550	1,586	1,497	1,612
Ohio	615	964	902	2,728	3,193	2,900	2,427	5,333	4,250	12,500	12,000	7,167	4,111
Oklahoma	594	823	860	1,011	1,530	1,524	1,354	1,997	1,595	1,946	1,893	2,057	2,456
Oregon	931	1,284	1,199	1,546	1,731	1,710	1,912	1,861	2,027	2,230	2,322	2,539	2,599
Pennsylvania	()	()	()	1,813	()	()	2,818	3,045	3,046	3,298	3,592	3,756	3,381
Rhode Island	1,178	1,390	1,368	1,808	1,571	1,657	1,689	1,905	2,996	3,321	3,684	3,734	4,013
South Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
South Dakota	836	1,464	916	1,468	1,603	1,766	4,206	3,450	2,222	2,431	3,008	4,759	4,866
Tennessee	704	788	882	884	1,137	1,243	1,467	1,600	1,773	1,543	1,572	1,978	2,154
Texas	1,175	1,287	1,508	1,838	1,114	1,052	1,126	1,718	1,957	1,692	2,038	2,040	2,033
Utah	()	()	()	1,059	()	()	()	()	()	()	()	()	()
Vermont	667	756	728	862	4,425	805	1,264	1,764	2,067	2,327	2,456	2,631	2,705
Virginia	1,580	1,776	1,064	1,323	()	()	2,396	2,646	3,783	2,691	2,730	2,347	2,872
Washington	850	993	938	899	1,357	1,649	1,737	1,863	2,082	2,249	2,544	2,555	2,506
West Virginia	()	()	()	()	()	()	()	()	()	()	()	()	()
Wisconsin	1,151	1,397	1,269	1,227	1,817	1,968	1,823	1,858	1,882	2,115	2,165	2,315	2,433
Wyoming	1,952	2,382	3,150	2,361	3,602	2,766	4,502	3,453	4,650	3,821	5,448	5,075	5,727

* No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.7.—Standard deviations for instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	406	475	515	710	470	561	608	647	759	654	896	745	891
Northeast	339	435	413	895	771	915	980	1,062	942	1,014	1,153	1,112	1,165
Midwest	427	581	713	551	383	563	649	619	666	729	761	808	817
South	279	253	325	283	672	632	634	732	921	702	766	517	623
West	289	261	439	241	307	311	299	337	606	321	492	456	497
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	12	(¹)	(¹)	(¹)	(²)
Alaska	2,169	2,039	(¹)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arizona	296	186	198	161	184	210	330	344	395	450	276	332	341
Arkansas	(¹)	(²)	(¹)	(²)	(²)	(¹)	(²)	92	(¹)	(²)	(¹)	(²)	(¹)
California	182	197	292	166	212	216	243	245	579	250	448	409	403
Colorado	692	(²)	4,962	(²)	(²)	(¹)	(²)	(²)	(¹)	(²)	(¹)	(²)	(²)
Connecticut	239	225	302	311	401	454	440	513	839	856	630	606	609
Delaware	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Dist. of Columbia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Florida	(²)	(²)	(²)	(²)	(²)	(²)	(¹)	(²)	(²)	(²)	(²)	(²)	(²)
Georgia	178	(²)	267	(²)	(²)	226	(²)	(²)	279	(²)	376	(²)	538
Hawaii	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Idaho	153	26	261	217	381	358	430	523	766	831	977	869	919
Illinois	265	299	515	377	349	493	523	571	631	673	686	755	755
Indiana	146	(¹)	93	177	65	88	94	(¹)	152	(¹)	(¹)	(¹)	(¹)
Iowa	(²)	(²)	48	(²)	(²)	588	621	567	452	570	631	696	676
Kansas	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	101
Kentucky	93	(²)	152	(¹)	(²)	(²)	(²)	(²)	185	(²)	358	(²)	(²)
Louisiana	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Maine	224	242	243	367	559	714	760	1,033	1,061	1,090	1,170	1,204	1,214
Maryland	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Massachusetts	339	1,039	481	425	587	479	543	590	575	603	606	706	627
Michigan	237	214	320	244	347	522	463	460	315	495	613	501	401
Minnesota	219	302	359	238	212	640	812	742	626	907	996	1,437	1,802
Mississippi	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Missouri	1,952	2,494	2,966	2,647	266	234	344	391	407	440	435	429	516
Montana	377	207	806	258	674	703	362	417	487	350	570	557	569
Nebraska	385	433	415	458	568	748	645	687	760	773	815	965	1,029
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	230	867	755	952	1,069	1,026	1,146	640	743	840	976	906	923
New Jersey	440	433	685	750	912	836	950	622	666	623	846	877	840
New Mexico	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
New York	201	217	237	265	1,185	1,042	1,076	2,061	1,457	1,490	1,493	2,581	1,497
North Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
North Dakota	253	1,119	1,011	423	1,096	1,697	943	910	973	903	954	1,176	1,244
Ohio	425	452	491	(¹)	(¹)	(¹)	459	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	323	162	378	256	405	616	544	592	575	639	640	255	100
Oregon	153	73	206	113	141	332	196	524	676	580	797	686	742
Pennsylvania	(²)	(²)	(²)	3,394	(²)	(²)	9	(¹)	614	125	181	722	72
Rhode Island	273	330	310	413	542	761	932	935	1,001	1,145	366	401	390
South Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
South Dakota	458	(¹)	511	174	(¹)	1,091	509	311	878	984	1,008	316	566
Tennessee	200	209	140	125	158	250	221	290	269	331	289	261	286
Texas	(¹)	(¹)	(¹)	650	804	772	850	972	1,367	728	1,011	671	917
Utah	(²)	(²)	(²)	106	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Vermont	185	215	510	624	(¹)	855	875	532	522	577	983	977	982
Virginia	(¹)	(¹)	272	269	(²)	(²)	33	147	357	1,033	923	215	(¹)
Washington	317	413	410	399	591	675	711	691	814	812	801	694	824
West Virginia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Wisconsin	247	385	355	360	552	609	867	606	632	696	693	783	729
Wyoming	327	214	322	307	909	762	977	1,667	1,201	1,379	770	1,114	695

¹ One elementary district.² No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.8.—Coefficient of variation for instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.281	0.300	0.301	0.407	0.243	0.265	0.276	0.281	0.300	0.247	0.318	0.266	0.301
Northeast	0.205	0.247	0.217	0.411	0.327	0.371	0.353	0.351	0.294	0.299	0.285	0.284	0.279
Midwest	0.308	0.369	0.449	0.358	0.206	0.295	0.311	0.287	0.290	0.296	0.290	0.291	0.283
South	0.290	0.249	0.216	0.170	0.378	0.337	0.319	0.329	0.390	0.309	0.306	0.210	0.224
West	0.246	0.199	0.290	0.171	0.165	0.148	0.142	0.154	0.250	0.126	0.192	0.172	0.186
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.008	(¹)	(¹)	(¹)	(²)
Alaska	0.386	0.404	(¹)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arizona	0.356	0.204	0.151	0.148	0.122	0.106	0.184	0.195	0.211	0.185	0.126	0.144	0.149
Arkansas	(¹)	(²)	(¹)	(²)	(²)	(¹)	(²)	0.055	(¹)	(²)	(¹)	(²)	(¹)
California	0.147	0.146	0.199	0.111	0.112	0.102	0.113	0.109	0.229	0.097	0.171	0.152	0.146
Colorado	0.382	(²)	1.185	(²)	(²)	(¹)	(²)	(²)	(¹)	(²)	(¹)	(²)	(²)
Connecticut	0.180	0.168	0.184	0.171	0.172	0.158	0.142	0.145	0.212	0.202	0.146	0.135	0.129
Delaware	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Dist. of Columbia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Florida	(²)	(²)	(²)	(²)	(²)	(²)	(¹)	(²)	(²)	(²)	(²)	(²)	(²)
Georgia	0.191	(²)	0.264	(²)	(²)	0.178	(²)	(²)	0.119	(²)	0.130	(²)	0.172
Hawaii	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Idaho	0.179	0.027	0.228	0.183	0.199	0.252	0.174	0.205	0.302	0.316	0.343	0.295	0.309
Illinois	0.216	0.218	0.371	0.256	0.188	0.260	0.264	0.270	0.280	0.281	0.269	0.276	0.267
Indiana	0.174	(¹)	0.091	0.141	0.044	0.081	0.064	(¹)	0.091	(¹)	(¹)	(¹)	(¹)
Iowa	(²)	(²)	0.029	(²)	(²)	0.338	0.272	0.215	0.183	0.180	0.234	0.238	0.229
Kansas	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	0.021
Kentucky	0.118	(²)	0.175	(¹)	(²)	(²)	(²)	(²)	0.120	(²)	0.182	(²)	(²)
Louisiana	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Maine	0.244	0.238	0.228	0.284	0.280	0.307	0.290	0.344	0.322	0.300	0.317	0.284	0.286
Maryland	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Massachusetts	0.225	0.563	0.277	0.238	0.248	0.221	0.237	0.234	0.218	0.220	0.222	0.217	0.183
Michigan	0.268	0.248	0.307	0.239	0.294	0.374	0.291	0.277	0.178	0.236	0.257	0.182	0.130
Minnesota	0.147	0.197	0.185	0.138	0.098	0.291	0.334	0.301	0.246	0.318	0.292	0.417	0.471
Mississippi	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Missouri	0.923	0.976	1.029	0.934	0.183	0.136	0.205	0.214	0.203	0.216	0.203	0.197	0.219
Montana	0.271	0.141	0.372	0.162	0.300	0.311	0.165	0.185	0.200	0.151	0.237	0.213	0.209
Nebraska	0.364	0.375	0.328	0.338	0.351	0.456	0.360	0.360	0.314	0.303	0.294	0.324	0.316
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.274	0.696	0.576	0.635	0.499	0.449	0.468	0.237	0.248	0.254	0.273	0.260	0.239
New Jersey	0.291	0.253	0.362	0.361	0.371	0.303	0.314	0.199	0.210	0.191	0.188	0.189	0.186
New Mexico	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
New York	0.114	0.121	0.120	0.123	0.388	0.330	0.271	0.409	0.287	0.286	0.281	0.480	0.260
North Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
North Dakota	0.253	0.857	0.566	0.090	0.501	0.721	0.405	0.378	0.401	0.366	0.355	0.423	0.426
Ohio	0.575	0.410	0.470	(¹)	(¹)	(¹)	0.151	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	0.321	0.151	0.296	0.188	0.182	0.281	0.258	0.240	0.269	0.269	0.258	0.116	0.040
Oregon	0.134	0.054	0.142	0.069	0.073	0.163	0.093	0.233	0.267	0.224	0.277	0.231	0.245
Pennsylvania	(²)	(²)	(²)	0.486	(²)	(²)	0.003	(¹)	0.158	0.036	0.049	0.166	0.021
Rhode Island	0.181	0.187	0.172	0.187	0.234	0.291	0.332	0.303	0.235	0.270	0.093	0.098	0.089
South Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
South Dakota	0.305	(¹)	0.333	0.108	(¹)	0.342	0.113	0.073	0.241	0.233	0.190	0.065	0.113
Tennessee	0.223	0.216	0.137	0.116	0.113	0.157	0.130	0.148	0.127	0.163	0.138	0.111	0.110
Texas	(¹)	(¹)	(¹)	0.296	0.362	0.368	0.372	0.364	0.410	0.306	0.343	0.261	0.307
Utah	(²)	(²)	(²)	0.089	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Vermont	0.193	0.194	0.388	0.408	(¹)	0.530	0.385	0.222	0.188	0.186	0.274	0.263	0.259
Virginia	(¹)	(¹)	0.171	0.155	(²)	(²)	0.014	0.053	0.084	0.257	0.235	0.086	(¹)
Washington	0.274	0.291	0.306	0.305	0.331	0.321	0.322	0.294	0.305	0.281	0.263	0.222	0.258
West Virginia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Wisconsin	0.144	0.171	0.205	0.211	0.207	0.208	0.264	0.196	0.193	0.197	0.198	0.221	0.204
Wyoming	0.140	0.081	0.089	0.121	0.202	0.220	0.182	0.341	0.208	0.273	0.124	0.182	0.109

¹ One elementary district.² No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.9.—Gini coefficient for instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.147	0.138	0.139	0.162	0.113	0.124	0.128	0.129	0.141	0.117	0.151	0.122	0.141
Northeast	0.094	0.081	0.090	0.119	0.153	0.186	0.168	0.165	0.151	0.152	0.155	0.149	0.146
Midwest	0.147	0.174	0.178	0.150	0.104	0.149	0.164	0.153	0.156	0.157	0.154	0.154	0.147
South	0.143	0.111	0.119	0.093	0.182	0.173	0.157	0.154	0.177	0.136	0.143	0.092	0.104
West	0.122	0.105	0.116	0.091	0.076	0.063	0.069	0.077	0.101	0.062	0.079	0.071	0.074
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.002	(¹)	(¹)	(¹)	(²)
Alaska	0.192	0.202	(¹)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arizona	0.100	0.079	0.075	0.068	0.052	0.051	0.088	0.083	0.091	0.093	0.058	0.069	0.066
Arkansas	(¹)	(²)	(¹)	(²)	(²)	(¹)	(²)	0.026	(¹)	(²)	(¹)	(²)	(¹)
California	0.079	0.077	0.081	0.058	0.056	0.050	0.055	0.053	0.074	0.049	0.065	0.058	0.046
Colorado	0.175	(²)	0.449	(²)	(²)	(¹)	(²)	(²)	(¹)	(²)	(¹)	(²)	(²)
Connecticut	0.103	0.096	0.105	0.097	0.097	0.090	0.080	0.082	0.103	0.100	0.079	0.075	0.072
Delaware	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Dist. of Columbia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Florida	(²)	(²)	(²)	(²)	(²)	(²)	(¹)	(²)	(²)	(²)	(²)	(²)	(²)
Georgia	0.107	(²)	0.147	(²)	(²)	0.078	(²)	(²)	0.065	(²)	0.073	(²)	0.083
Hawaii	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Idaho	0.076	0.005	0.104	0.055	0.099	0.130	0.085	0.100	0.157	0.145	0.157	0.153	0.154
Illinois	0.117	0.119	0.134	0.137	0.095	0.137	0.140	0.144	0.150	0.149	0.144	0.148	0.141
Indiana	0.096	(¹)	0.051	0.068	0.022	0.045	0.032	(¹)	0.051	(¹)	(¹)	(¹)	(¹)
Iowa	(²)	(²)	0.014	(²)	(²)	0.186	0.147	0.122	0.103	0.098	0.126	0.127	0.111
Kansas	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	0.011
Kentucky	0.063	(²)	0.093	(¹)	(²)	(²)	(²)	(²)	0.065	(²)	0.094	(²)	(²)
Louisiana	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Maine	0.128	0.124	0.125	0.151	0.153	0.166	0.158	0.180	0.176	0.168	0.177	0.155	0.152
Maryland	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Massachusetts	0.113	0.175	0.130	0.123	0.129	0.110	0.129	0.127	0.120	0.121	0.124	0.120	0.099
Michigan	0.138	0.108	0.148	0.121	0.135	0.160	0.094	0.123	0.098	0.100	0.120	0.084	0.036
Minnesota	0.083	0.109	0.102	0.079	0.035	0.162	0.182	0.144	0.125	0.158	0.154	0.210	0.226
Mississippi	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Missouri	0.443	0.462	0.486	0.453	0.098	0.067	0.113	0.115	0.109	0.116	0.111	0.105	0.112
Montana	0.142	0.072	0.198	0.083	0.130	0.142	0.086	0.096	0.103	0.079	0.098	0.088	0.084
Nebraska	0.174	0.173	0.164	0.160	0.169	0.175	0.164	0.164	0.151	0.150	0.145	0.157	0.156
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.152	0.252	0.175	0.218	0.200	0.159	0.171	0.122	0.138	0.142	0.155	0.142	0.136
New Jersey	0.126	0.123	0.135	0.138	0.160	0.138	0.128	0.108	0.116	0.102	0.102	0.102	0.102
New Mexico	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
New York	0.041	0.038	0.047	0.047	0.168	0.145	0.115	0.145	0.125	0.134	0.121	0.182	0.110
North Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
North Dakota	0.130	0.328	0.264	0.037	0.227	0.294	0.206	0.199	0.204	0.198	0.182	0.222	0.204
Ohio	0.157	0.114	0.125	(¹)	(¹)	(¹)	0.084	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	0.167	0.079	0.157	0.098	0.103	0.142	0.143	0.121	0.127	0.125	0.124	0.050	0.018
Oregon	0.069	0.028	0.064	0.036	0.039	0.065	0.045	0.097	0.110	0.080	0.106	0.088	0.083
Pennsylvania	(²)	(²)	(²)	0.272	(²)	(²)	0.001	(¹)	0.076	0.017	0.023	0.081	0.010
Rhode Island	0.097	0.102	0.090	0.092	0.129	0.162	0.181	0.166	0.124	0.138	0.040	0.047	0.041
South Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
South Dakota	0.148	(¹)	0.158	0.054	(¹)	0.188	0.050	0.030	0.131	0.101	0.083	0.015	0.025
Tennessee	0.090	0.088	0.071	0.063	0.063	0.089	0.071	0.082	0.071	0.091	0.077	0.061	0.062
Texas	(¹)	(¹)	(¹)	0.104	0.185	0.197	0.196	0.181	0.198	0.126	0.150	0.113	0.153
Utah	(²)	(²)	(²)	0.046	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Vermont	0.110	0.109	0.200	0.196	(¹)	0.261	0.184	0.115	0.101	0.101	0.138	0.133	0.128
Virginia	(¹)	(¹)	0.091	0.084	(²)	(²)	0.007	0.026	0.040	0.124	0.114	0.041	(¹)
Washington	0.126	0.125	0.138	0.132	0.134	0.130	0.126	0.121	0.133	0.124	0.104	0.106	0.109
West Virginia	(¹)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Wisconsin	0.069	0.084	0.113	0.117	0.112	0.116	0.148	0.106	0.106	0.110	0.111	0.122	0.111
Wyoming	0.071	0.044	0.046	0.044	0.101	0.110	0.090	0.169	0.104	0.136	0.062	0.091	0.054

¹ One elementary district.² No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.10.—Thiel coefficient for instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.038	0.037	0.037	0.057	0.025	0.030	0.032	0.033	0.038	0.027	0.043	0.030	0.039
Northeast	0.021	0.023	0.021	0.052	0.044	0.062	0.051	0.049	0.038	0.040	0.039	0.037	0.035
Midwest	0.040	0.055	0.067	0.047	0.021	0.038	0.044	0.038	0.039	0.040	0.039	0.039	0.036
South	0.037	0.027	0.024	0.015	0.060	0.050	0.044	0.045	0.061	0.038	0.039	0.018	0.022
West	0.027	0.019	0.033	0.014	0.012	0.009	0.009	0.011	0.025	0.007	0.015	0.012	0.014
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.000	(¹)	(¹)	(¹)	(¹)
Alaska	0.079	0.083	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Arizona	0.032	0.017	0.011	0.010	0.007	0.005	0.015	0.016	0.019	0.016	0.007	0.009	0.010
Arkansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.001	(¹)	(¹)	(¹)	(¹)	(¹)
California	0.011	0.010	0.016	0.006	0.006	0.005	0.006	0.005	0.019	0.004	0.012	0.009	0.009
Colorado	0.067	(¹)	0.447	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Connecticut	0.016	0.014	0.017	0.015	0.015	0.012	0.010	0.011	0.021	0.019	0.010	0.009	0.008
Delaware	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Georgia	0.018	(¹)	0.034	(¹)	(¹)	0.014	(¹)	(¹)	0.007	(¹)	0.008	(¹)	0.014
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.014	0.000	0.023	0.014	0.019	0.030	0.014	0.020	0.042	0.043	0.051	0.041	0.043
Illinois	0.022	0.023	0.039	0.031	0.017	0.031	0.032	0.034	0.037	0.036	0.034	0.036	0.033
Indiana	0.015	(¹)	0.004	0.009	0.001	0.003	0.002	(¹)	0.004	(¹)	(¹)	(¹)	(¹)
Iowa	(¹)	(¹)	0.000	(¹)	(¹)	0.059	0.035	0.023	0.017	0.016	0.026	0.027	0.023
Kansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.000
Kentucky	0.007	(¹)	0.016	(¹)	(¹)	(¹)	(¹)	(¹)	0.007	(¹)	0.016	(¹)	(¹)
Louisiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Maine	0.028	0.026	0.025	0.038	0.037	0.044	0.040	0.054	0.049	0.044	0.049	0.039	0.038
Maryland	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Massachusetts	0.024	0.095	0.033	0.026	0.029	0.022	0.027	0.026	0.023	0.023	0.024	0.023	0.016
Michigan	0.033	0.024	0.040	0.027	0.036	0.050	0.026	0.031	0.015	0.020	0.028	0.015	0.007
Minnesota	0.011	0.019	0.017	0.010	0.004	0.042	0.054	0.039	0.027	0.044	0.040	0.076	0.093
Mississippi	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Missouri	0.381	0.418	0.466	0.399	0.016	0.009	0.020	0.022	0.020	0.022	0.020	0.018	0.022
Montana	0.034	0.010	0.063	0.012	0.037	0.040	0.013	0.016	0.019	0.011	0.022	0.017	0.017
Nebraska	0.054	0.055	0.047	0.047	0.051	0.064	0.051	0.051	0.042	0.039	0.038	0.045	0.043
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.036	0.152	0.094	0.121	0.087	0.066	0.073	0.026	0.030	0.031	0.037	0.032	0.028
New Jersey	0.034	0.028	0.045	0.046	0.053	0.038	0.037	0.019	0.021	0.017	0.017	0.017	0.017
New Mexico	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New York	0.006	0.006	0.007	0.007	0.060	0.045	0.030	0.059	0.034	0.035	0.032	0.085	0.027
North Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
North Dakota	0.029	0.262	0.126	0.004	0.098	0.181	0.072	0.065	0.070	0.062	0.056	0.080	0.075
Ohio	0.109	0.060	0.074	(¹)	(¹)	(¹)	0.011	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	0.047	0.011	0.040	0.017	0.017	0.035	0.034	0.028	0.031	0.034	0.029	0.006	0.001
Oregon	0.009	0.001	0.009	0.002	0.003	0.011	0.004	0.023	0.029	0.020	0.030	0.022	0.024
Pennsylvania	(¹)	(¹)	(¹)	0.121	(¹)	(¹)	0.000	(¹)	0.013	0.001	0.001	0.014	0.000
Rhode Island	0.016	0.017	0.014	0.016	0.027	0.041	0.056	0.047	0.029	0.035	0.004	0.005	0.004
South Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Dakota	0.050	(¹)	0.054	0.006	(¹)	0.063	0.006	0.003	0.030	0.030	0.020	0.002	0.006
Tennessee	0.021	0.019	0.009	0.007	0.006	0.012	0.009	0.011	0.008	0.013	0.010	0.006	0.006
Texas	(¹)	(¹)	(¹)	0.036	0.059	0.063	0.063	0.057	0.071	0.036	0.045	0.028	0.041
Utah	(¹)	(¹)	(¹)	0.004	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Vermont	0.019	0.019	0.067	0.071	(¹)	0.116	0.062	0.023	0.017	0.017	0.034	0.031	0.030
Virginia	(¹)	(¹)	0.015	0.012	(¹)	(¹)	0.000	0.001	0.004	0.035	0.029	0.004	(¹)
Washington	0.031	0.033	0.038	0.038	0.042	0.039	0.039	0.033	0.038	0.032	0.026	0.022	0.026
West Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Wisconsin	0.011	0.016	0.020	0.022	0.021	0.021	0.034	0.019	0.019	0.020	0.020	0.024	0.020
Wyoming	0.010	0.003	0.004	0.007	0.021	0.024	0.016	0.057	0.022	0.037	0.008	0.017	0.006

¹ One elementary district.² No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.11.—Federal range ratios for instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1.343	1.314	1.192	1.063	1.012	1.194	1.186	1.254	1.400	1.069	1.459	1.118	1.411
Northeast	0.933	0.705	0.831	1.014	1.410	2.433	1.409	1.397	1.238	1.324	1.635	1.352	1.234
Midwest	1.200	1.659	1.440	1.066	0.946	1.400	1.465	1.459	1.453	1.448	1.372	1.389	1.296
South	1.244	1.252	0.915	0.656	1.642	1.803	1.558	1.198	1.694	1.068	1.195	0.681	0.850
West	1.112	0.926	0.936	0.650	0.587	0.436	0.544	0.619	0.762	0.422	0.505	0.487	0.462
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.032	(¹)	(¹)	(¹)	(²)
Alaska	1.343	1.311	(¹)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arizona	0.802	0.488	0.564	0.412	0.189	0.302	0.378	0.546	0.789	0.768	0.324	0.400	0.354
Arkansas	(¹)	(²)	(¹)	(²)	(²)	(¹)	(²)	0.121	(¹)	(²)	(¹)	(²)	(¹)
California	0.587	0.579	0.531	0.395	0.450	0.368	0.384	0.353	0.370	0.308	0.390	0.337	0.210
Colorado	1.111	(²)	9.879	(²)	(²)	(¹)	(²)	(²)	(¹)	(²)	(¹)	(²)	(²)
Connecticut	0.644	0.682	0.693	0.755	0.813	0.611	0.539	0.645	0.937	0.895	0.531	0.537	0.456
Delaware	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Dist. of Columbia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Florida	(²)	(²)	(²)	(²)	(²)	(²)	(¹)	(²)	(²)	(²)	(²)	(²)	(²)
Georgia	0.693	(²)	1.365	(²)	(²)	0.809	(²)	(²)	0.347	(²)	0.479	(²)	0.640
Hawaii	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Idaho	0.518	0.000	0.800	0.314	0.652	0.872	0.828	0.676	1.238	1.580	1.814	1.464	1.493
Illinois	0.986	1.062	1.083	1.247	0.865	1.234	1.226	1.381	1.431	1.366	1.361	1.355	1.300
Indiana	0.739	(¹)	0.378	0.555	0.096	0.351	0.138	(¹)	0.286	(¹)	(¹)	(¹)	(¹)
Iowa	(²)	(²)	0.060	(²)	(²)	1.498	1.565	0.966	1.000	0.717	1.177	0.935	0.808
Kansas	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	0.044
Kentucky	0.418	(²)	0.668	(¹)	(²)	(²)	(²)	(²)	0.349	(²)	0.503	(²)	(²)
Louisiana	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Maine	0.788	0.929	0.774	1.583	1.511	1.424	1.218	1.554	1.396	1.476	1.517	1.249	1.279
Maryland	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Massachusetts	1.114	1.151	1.291	1.001	1.124	0.978	1.019	1.012	0.953	1.033	0.914	1.068	0.844
Michigan	1.438	0.870	1.230	0.968	0.839	1.289	0.730	0.684	0.665	0.721	1.106	0.545	0.357
Minnesota	0.491	0.701	0.804	0.486	0.119	1.502	3.107	1.452	1.098	1.427	1.491	2.511	2.149
Mississippi	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Missouri	7.213	7.647	8.699	7.441	0.698	0.527	0.902	1.112	0.977	0.968	0.929	0.893	0.881
Montana	1.121	0.587	1.797	0.517	0.733	1.041	0.711	0.932	0.877	0.631	0.756	0.707	0.697
Nebraska	1.498	1.512	1.513	1.392	1.599	1.633	1.583	1.457	1.380	1.345	1.411	1.451	1.356
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.968	1.321	0.963	1.856	1.288	0.933	1.253	0.974	1.081	1.095	1.386	1.037	1.073
New Jersey	0.947	0.874	0.933	1.034	1.500	0.978	0.852	0.813	0.829	0.813	0.791	0.855	0.991
New Mexico	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
New York	0.413	0.355	0.438	0.396	2.469	0.981	0.821	0.730	0.875	0.854	0.821	0.213	0.703
North Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
North Dakota	1.361	4.399	2.175	0.268	2.051	3.813	2.173	1.815	2.365	1.848	1.956	2.423	2.314
Ohio	1.192	0.740	0.572	(¹)	(¹)	(¹)	0.564	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	1.816	0.607	1.313	0.736	0.826	1.119	1.429	0.657	1.324	0.707	0.970	0.288	0.092
Oregon	0.442	0.104	0.390	0.202	0.229	0.385	0.340	1.054	0.964	0.922	0.974	0.657	0.824
Pennsylvania	(²)	(²)	(²)	5.259	(²)	(²)	0.000	(¹)	0.422	0.079	0.105	0.392	0.043
Rhode Island	0.779	0.717	0.899	0.653	1.274	1.418	1.628	1.420	0.906	0.870	0.283	0.326	0.300
South Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
South Dakota	1.454	(¹)	2.166	0.225	(¹)	1.535	0.284	0.408	1.020	0.968	1.156	0.288	0.523
Tennessee	0.454	0.415	0.377	0.484	0.391	0.676	0.335	0.459	0.400	0.618	0.570	0.353	0.415
Texas	(¹)	(¹)	(¹)	1.300	2.174	2.245	2.379	1.714	2.319	1.082	1.174	0.950	1.236
Utah	(²)	(²)	(²)	0.369	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Vermont	0.934	0.804	2.349	2.752	(¹)	3.116	1.912	1.072	0.839	0.918	1.303	1.083	1.102
Virginia	(¹)	(¹)	0.711	0.497	(²)	(²)	0.029	0.116	0.196	0.794	0.699	0.191	(¹)
Washington	1.079	1.080	1.242	1.138	1.037	0.848	0.969	0.754	1.146	1.044	0.654	0.795	0.831
West Virginia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Wisconsin	0.634	0.811	0.932	0.934	1.104	1.092	1.698	1.403	1.464	1.374	1.140	1.161	1.004
Wyoming	0.359	0.228	0.246	0.468	0.505	0.553	0.438	0.976	0.518	0.727	0.283	0.440	0.243

¹ One elementary district.² No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.12.—McLoone index for instructional expenditures per pupil for elementary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.791	0.805	0.813	0.834	0.858	0.862	0.867	0.858	0.848	0.882	0.889	0.898	0.889
Northeast	0.783	0.823	0.804	0.810	0.834	0.772	0.801	0.821	0.843	0.856	0.780	0.827	0.824
Midwest	0.822	0.845	0.827	0.832	0.772	0.860	0.842	0.846	0.831	0.849	0.841	0.843	0.840
South	0.879	0.921	0.812	0.860	0.820	0.812	0.818	0.854	0.869	0.858	0.859	0.934	0.868
West	0.816	0.838	0.888	0.856	0.908	0.931	0.903	0.887	0.872	0.923	0.915	0.922	0.912
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(²)
Alaska	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Arizona	0.888	0.902	0.916	0.932	0.957	0.916	0.951	0.938	0.912	0.901	0.915	0.916	0.928
Arkansas	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
California	0.901	0.896	0.900	0.931	0.938	0.944	0.927	0.930	0.933	0.944	0.944	0.941	0.959
Colorado	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Connecticut	0.832	0.831	0.848	0.848	0.874	0.856	0.902	0.885	0.874	0.854	0.856	0.904	0.931
Delaware	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Georgia	0.749	(²)	0.845	(¹)	(¹)	0.920	(¹)	(¹)	0.920	(¹)	0.925	(¹)	0.939
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.876	(¹)	0.822	0.903	0.932	0.951	0.865	0.940	0.751	0.818	0.735	0.680	0.713
Illinois	0.862	0.850	0.844	0.844	0.779	0.871	0.856	0.863	0.842	0.853	0.848	0.845	0.857
Indiana	0.849	(¹)	0.908	0.942	0.976	0.922	(¹)	(¹)	0.902	(¹)	(¹)	(¹)	(¹)
Iowa	(¹)	(¹)	(¹)	(¹)	(¹)	0.539	0.817	0.868	0.844	0.880	0.864	0.826	0.893
Kansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Kentucky	0.862	(¹)	0.726	(¹)	(¹)	(¹)	(¹)	(¹)	0.937	(¹)	0.948	(¹)	(¹)
Louisiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Maine	0.862	0.910	0.879	0.838	0.814	0.848	0.850	0.853	0.820	0.825	0.834	0.852	0.855
Maryland	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Massachusetts	0.849	0.820	0.848	0.832	0.874	0.875	0.858	0.862	0.874	0.844	0.846	0.822	0.888
Michigan	0.886	0.921	0.894	0.744	0.917	0.928	0.849	0.865	0.871	0.801	0.843	0.844	0.830
Minnesota	0.858	0.884	0.866	0.898	1.000	0.799	0.803	0.857	0.884	0.857	0.828	0.796	0.877
Mississippi	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Missouri	0.817	0.832	0.829	0.822	0.873	0.838	0.877	0.858	0.865	0.855	0.868	0.889	0.894
Montana	0.847	0.908	0.767	0.888	0.910	0.874	0.895	0.867	0.875	0.879	0.947	0.906	0.899
Nebraska	0.812	0.830	0.829	0.851	0.820	0.791	0.812	0.839	0.845	0.856	0.841	0.836	0.844
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.818	0.637	0.872	0.833	0.920	0.901	0.919	0.892	0.861	0.865	0.821	0.863	0.816
New Jersey	0.860	0.843	0.892	0.881	0.799	0.867	0.881	0.897	0.865	0.899	0.902	0.900	0.870
New Mexico	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New York	0.863	0.885	0.855	0.867	0.816	0.912	0.944	0.943	0.912	0.903	0.929	0.844	0.867
North Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
North Dakota	0.839	0.766	0.783	(¹)	0.761	0.855	0.776	0.737	0.793	0.841	0.767	0.783	0.812
Ohio	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.894	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	0.814	0.928	0.815	0.926	0.835	0.861	0.718	(¹)	0.915	(¹)	0.904	(¹)	(¹)
Oregon	0.885	0.949	0.928	0.970	0.925	0.937	0.967	0.941	0.908	0.915	0.957	0.958	0.951
Pennsylvania	(¹)	(¹)	(¹)	0.648	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Rhode Island	0.847	0.869	0.902	0.891	0.795	0.796	0.557	0.578	0.630	0.984	0.988	0.938	0.954
South Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Dakota	0.480	(¹)	0.539	(¹)	(¹)	0.628	0.990	0.817	0.739	0.523	0.709	(¹)	(¹)
Tennessee	0.950	0.929	0.947	0.922	0.926	0.886	0.953	0.949	0.931	0.849	0.917	0.928	0.918
Texas	(¹)	(¹)	(¹)	0.911	0.798	0.787	0.814	0.800	0.836	0.860	0.861	0.925	0.854
Utah	(¹)	(¹)	(¹)	0.936	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Vermont	0.828	0.821	0.767	0.825	(¹)	0.760	0.824	0.860	0.887	0.883	0.867	0.863	0.867
Virginia	(¹)	(¹)	0.730	0.769	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Washington	0.886	0.884	0.866	0.876	0.905	0.911	0.927	0.940	0.883	0.922	0.911	0.881	0.865
West Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Wisconsin	0.772	0.725	0.889	0.869	0.869	0.856	0.858	0.890	0.893	0.854	0.847	0.862	0.857
Wyoming	0.757	0.902	0.839	0.947	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)

¹ One elementary district.² No elementary districts.³ A McLoone Index cannot be calculated as the school district with the lowest instructional expenditure has a majority of the state's enrollment.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.13.—Atkinson's index with a value of E of 2 for instructional expenditures per pupil for elementary districts, by region and state:
Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.923	0.933	0.935	0.918	0.956	0.945	0.947	0.947	0.937	0.955	0.932	0.952	0.939
Northeast	0.950	0.962	0.959	0.935	0.923	0.875	0.914	0.921	0.934	0.932	0.920	0.933	0.937
Midwest	0.931	0.911	0.906	0.930	0.959	0.934	0.924	0.932	0.930	0.929	0.932	0.931	0.937
South	0.938	0.959	0.948	0.967	0.907	0.915	0.927	0.931	0.911	0.942	0.939	0.971	0.965
West	0.947	0.960	0.952	0.973	0.979	0.984	0.983	0.979	0.962	0.987	0.977	0.981	0.977
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	1.000	(¹)	(¹)	(¹)	(²)
Alaska	0.840	0.844	(¹)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arizona	0.963	0.975	0.980	0.983	0.988	0.989	0.974	0.975	0.970	0.972	0.988	0.984	0.984
Arkansas	(¹)	(²)	(¹)	(²)	(²)	(¹)	(²)	0.997	(¹)	(²)	(¹)	(²)	(¹)
California	0.978	0.979	0.974	0.989	0.989	0.991	0.989	0.990	0.976	0.992	0.983	0.986	0.988
Colorado	0.891	(²)	0.574	(²)	(²)	(¹)	(²)	(²)	(¹)	(²)	(¹)	(²)	(²)
Connecticut	0.966	0.971	0.966	0.971	0.971	0.975	0.980	0.979	0.963	0.964	0.980	0.983	0.984
Delaware	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Dist. of Columbia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Florida	(²)	(²)	(²)	(²)	(²)	(²)	(¹)	(²)	(²)	(²)	(²)	(²)	(²)
Georgia	0.963	(²)	0.934	(²)	(²)	0.977	(²)	(²)	0.987	(²)	0.983	(²)	0.976
Hawaii	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Idaho	0.978	0.999	0.959	0.980	0.967	0.947	0.975	0.964	0.925	0.934	0.920	0.925	0.926
Illinois	0.957	0.956	0.944	0.944	0.964	0.945	0.943	0.939	0.934	0.936	0.939	0.936	0.941
Indiana	0.971	(¹)	0.992	0.983	0.998	0.993	0.996	(¹)	0.992	(¹)	(¹)	(¹)	(¹)
Iowa	(²)	(²)	0.999	(²)	(²)	0.880	0.936	0.956	0.964	0.970	0.951	0.951	0.961
Kansas	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	1.000
Kentucky	0.987	(²)	0.967	(¹)	(²)	(²)	(²)	(²)	0.986	(²)	0.969	(²)	(²)
Louisiana	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Maine	0.950	0.954	0.953	0.934	0.931	0.922	0.926	0.909	0.911	0.919	0.907	0.927	0.931
Maryland	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Massachusetts	0.950	0.898	0.943	0.955	0.949	0.962	0.951	0.952	0.956	0.957	0.954	0.956	0.971
Michigan	0.942	0.963	0.934	0.946	0.944	0.922	0.964	0.953	0.971	0.964	0.953	0.973	0.988
Minnesota	0.977	0.962	0.967	0.980	0.993	0.916	0.888	0.935	0.954	0.928	0.925	0.875	0.863
Mississippi	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Missouri	0.515	0.491	0.447	0.485	0.969	0.982	0.962	0.959	0.964	0.960	0.963	0.966	0.962
Montana	0.939	0.982	0.888	0.979	0.946	0.938	0.976	0.969	0.966	0.980	0.968	0.973	0.973
Nebraska	0.913	0.914	0.921	0.925	0.916	0.909	0.919	0.923	0.932	0.934	0.936	0.927	0.927
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.932	0.820	0.902	0.866	0.888	0.922	0.912	0.955	0.945	0.941	0.927	0.942	0.945
New Jersey	0.944	0.949	0.939	0.938	0.901	0.940	0.948	0.965	0.960	0.968	0.969	0.969	0.968
New Mexico	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
New York	0.989	0.990	0.987	0.987	0.915	0.932	0.956	0.929	0.950	0.945	0.953	0.896	0.961
North Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
North Dakota	0.948	0.725	0.820	0.991	0.862	0.791	0.876	0.886	0.886	0.892	0.905	0.867	0.884
Ohio	0.887	0.929	0.920	(¹)	(¹)	(¹)	0.978	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	0.916	0.979	0.928	0.970	0.964	0.938	0.931	0.949	0.950	0.941	0.952	0.988	0.998
Oregon	0.984	0.997	0.983	0.996	0.995	0.983	0.993	0.965	0.957	0.971	0.958	0.969	0.967
Pennsylvania	(²)	(²)	(²)	0.729	(²)	(²)	1.000	(¹)	0.972	0.999	0.998	0.974	1.000
Rhode Island	0.970	0.967	0.974	0.972	0.947	0.922	0.886	0.902	0.940	0.937	0.992	0.992	0.993
South Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
South Dakota	0.884	(¹)	0.893	0.989	(¹)	0.863	0.989	0.994	0.935	0.925	0.949	0.997	0.991
Tennessee	0.969	0.971	0.984	0.987	0.987	0.976	0.983	0.978	0.984	0.974	0.981	0.988	0.988
Texas	(¹)	(¹)	(¹)	0.951	0.898	0.888	0.889	0.909	0.891	0.947	0.933	0.957	0.933
Utah	(²)	(²)	(²)	0.993	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Vermont	0.961	0.961	0.886	0.889	(¹)	0.825	0.901	0.959	0.969	0.968	0.943	0.947	0.950
Virginia	(¹)	(¹)	0.967	0.974	(²)	(²)	1.000	0.997	0.993	0.924	0.937	0.993	(¹)
Washington	0.950	0.950	0.940	0.940	0.943	0.946	0.947	0.953	0.944	0.952	0.963	0.965	0.962
West Virginia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Wisconsin	0.973	0.962	0.962	0.958	0.961	0.958	0.933	0.962	0.960	0.960	0.960	0.956	0.962
Wyoming	0.980	0.993	0.992	0.989	0.959	0.953	0.968	0.895	0.958	0.930	0.985	0.968	0.988

¹ One elementary district.

² No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.2.14.—Atkinson's index with a value of E of 150 for instructional expenditures per pupil for elementary districts, by region and state:
Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.369	0.413	0.373	0.374	0.425	0.360	0.440	0.506	0.502	0.525	0.496	0.517	0.491
Northeast	0.326	0.376	0.355	0.324	0.367	0.308	0.364	0.469	0.461	0.529	0.342	0.414	0.439
Midwest	0.403	0.414	0.400	0.421	0.439	0.401	0.460	0.536	0.546	0.558	0.532	0.515	0.530
South	0.539	0.793	0.449	0.540	0.640	0.527	0.581	0.647	0.589	0.638	0.599	0.764	0.722
West	0.454	0.497	0.419	0.464	0.493	0.361	0.679	0.641	0.563	0.671	0.616	0.629	0.540
Alabama	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.998	(¹)	(¹)	(¹)	(²)
Alaska	0.581	0.619	(¹)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Arizona	0.634	0.806	0.583	0.767	0.600	0.483	0.834	0.830	0.758	0.821	0.798	0.771	0.691
Arkansas	(¹)	(²)	(¹)	(²)	(²)	(¹)	(²)	0.963	(¹)	(²)	(¹)	(²)	(¹)
California	0.462	0.481	0.432	0.678	0.763	0.775	0.756	0.623	0.752	0.763	0.656	0.632	0.895
Colorado	0.753	(²)	0.431	(²)	(²)	(¹)	(²)	(²)	(¹)	(²)	(¹)	(²)	(²)
Connecticut	0.697	0.687	0.691	0.700	0.677	0.713	0.749	0.751	0.673	0.664	0.755	0.742	0.743
Delaware	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Dist. of Columbia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Florida	(²)	(²)	(²)	(²)	(²)	(²)	(¹)	(²)	(²)	(²)	(²)	(²)	(²)
Georgia	0.774	(²)	0.658	(²)	(²)	0.881	(²)	(²)	0.888	(²)	0.834	(²)	0.853
Hawaii	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Idaho	0.796	0.892	0.661	0.804	0.760	0.793	0.833	0.575	0.607	0.718	0.704	0.689	0.710
Illinois	0.532	0.533	0.457	0.496	0.513	0.563	0.519	0.545	0.557	0.573	0.549	0.530	0.540
Indiana	0.777	(¹)	0.878	0.632	0.833	0.870	0.949	(¹)	0.899	(¹)	(¹)	(¹)	(¹)
Iowa	(²)	(²)	0.978	(²)	(²)	0.586	0.668	0.725	0.592	0.692	0.634	0.677	0.677
Kansas	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	0.982
Kentucky	0.865	(²)	0.753	(¹)	(²)	(²)	(²)	(²)	0.879	(²)	0.839	(²)	(²)
Louisiana	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Maine	0.574	0.631	0.623	0.529	0.549	0.514	0.380	0.520	0.524	0.579	0.368	0.376	0.425
Maryland	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Massachusetts	0.393	0.514	0.432	0.608	0.457	0.571	0.573	0.556	0.554	0.646	0.664	0.652	0.714
Michigan	0.615	0.729	0.594	0.613	0.707	0.554	0.650	0.740	0.721	0.691	0.592	0.618	0.546
Minnesota	0.756	0.700	0.735	0.721	0.944	0.559	0.405	0.640	0.720	0.627	0.517	0.475	0.488
Mississippi	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Missouri	0.257	0.249	0.220	0.236	0.623	0.616	0.660	0.681	0.726	0.724	0.715	0.736	0.701
Montana	0.475	0.564	0.340	0.643	0.677	0.332	0.640	0.677	0.553	0.726	0.644	0.624	0.524
Nebraska	0.540	0.561	0.504	0.521	0.489	0.455	0.524	0.604	0.560	0.538	0.513	0.470	0.484
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.625	0.549	0.560	0.493	0.557	0.605	0.636	0.626	0.587	0.608	0.571	0.657	0.581
New Jersey	0.359	0.533	0.369	0.600	0.349	0.361	0.477	0.604	0.597	0.731	0.694	0.736	0.726
New Mexico	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
New York	0.663	0.704	0.649	0.593	0.665	0.574	0.540	0.579	0.566	0.584	0.737	0.745	0.791
North Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
North Dakota	0.582	0.580	0.545	0.834	0.517	0.385	0.523	0.554	0.586	0.590	0.601	0.549	0.559
Ohio	0.831	0.876	0.865	(¹)	(¹)	(¹)	0.723	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oklahoma	0.513	0.783	0.546	0.754	0.699	0.447	0.648	0.812	0.656	0.820	0.601	0.936	0.978
Oregon	0.574	0.821	0.590	0.933	0.833	0.578	0.881	0.689	0.643	0.871	0.739	0.688	0.700
Pennsylvania	(²)	(²)	(²)	0.264	(²)	(²)	1.000	(¹)	0.791	0.958	0.967	0.867	0.985
Rhode Island	0.771	0.717	0.773	0.810	0.693	0.642	0.607	0.624	0.710	0.788	0.949	0.921	0.929
South Carolina	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
South Dakota	0.561	(¹)	0.602	0.911	(¹)	0.557	0.935	0.826	0.568	0.584	0.574	0.984	0.974
Tennessee	0.797	0.829	0.854	0.814	0.818	0.765	0.723	0.734	0.774	0.709	0.748	0.834	0.786
Texas	(¹)	(¹)	(¹)	0.846	0.511	0.510	0.502	0.626	0.582	0.705	0.630	0.729	0.667
Utah	(²)	(²)	(²)	0.903	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Vermont	0.554	0.602	0.500	0.477	(¹)	0.464	0.509	0.620	0.660	0.626	0.604	0.536	0.631
Virginia	(¹)	(¹)	0.682	0.702	(²)	(²)	0.992	0.963	0.896	0.673	0.700	0.939	(¹)
Washington	0.652	0.668	0.552	0.483	0.765	0.792	0.780	0.805	0.787	0.790	0.845	0.821	0.799
West Virginia	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Wisconsin	0.506	0.507	0.676	0.584	0.688	0.648	0.566	0.613	0.585	0.611	0.630	0.665	0.693
Wyoming	0.837	0.906	0.876	0.939	0.806	0.802	0.843	0.709	0.809	0.761	0.884	0.832	0.903

¹ One elementary district.

² No elementary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.1.—Number of secondary districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	678	490	530	547	508	694	475	487	687	538	674	524	358
Northeast	158	147	149	144	147	152	160	149	162	154	163	71	37
Midwest	211	205	213	207	207	220	164	165	216	216	198	160	139
South	5	7	8	5	10	10	5	7	5	6	6	5	5
West	304	131	160	191	144	312	146	166	304	162	307	288	177
Alabama	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	19	12	17	9	7	16	7	6	16	6	16	16	16
Arkansas	0	0	0	0	0	0	0	0	0	0	0	0	0
California	104	104	110	108	111	111	112	107	106	104	103	102	17
Colorado	1	0	1	0	0	0	0	0	0	0	0	0	0
Connecticut	7	7	7	7	7	7	8	8	8	8	8	8	3
Delaware	1	4	4	1	4	4	1	4	1	2	2	1	0
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois	124	124	125	124	116	122	114	113	112	111	110	110	108
Indiana	1	0	1	0	0	1	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	1	2	2	3	3	2	0
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	4	4	4	4	2	5	4	5	4	5	5	5	4
Maryland	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts	49	48	48	48	44	42	57	57	57	55	56	11	8
Michigan	0	0	0	0	0	0	0	0	0	1	0	1	0
Minnesota	2	0	0	0	0	6	8	10	13	13	9	11	6
Mississippi	4	3	4	4	4	4	4	3	4	4	4	4	4
Missouri	0	0	0	0	0	0	1	1	1	0	0	0	0
Montana	158	5	10	64	15	163	14	44	160	45	165	149	129
Nebraska	23	23	23	23	23	23	24	22	22	22	21	22	14
Nevada	0	0	0	0	0	0	0	0	0	0	0	0	0
New Hampshire	3	3	3	4	3	2	5	3	3	3	6	6	3
New Jersey	54	46	53	42	63	57	55	37	51	46	57	16	12
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
New York	7	7	7	7	3	3	7	8	7	9	8	4	0
North Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota	2	0	4	0	8	8	5	5	5	5	5	3	0
Ohio	48	47	49	49	49	49	0	0	49	49	39	0	1
Oklahoma	0	0	0	0	0	1	0	0	0	0	0	0	0
Oregon	22	10	22	10	11	22	11	7	21	7	23	21	15
Pennsylvania	9	9	2	9	1	10	0	8	8	8	0	0	0
Rhode Island	1	1	1	1	1	1	1	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	1	0	0	0	0	0	0	0	0
Texas	0	0	0	0	1	1	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermont	24	22	24	22	23	25	23	23	24	20	23	21	7
Virginia	0	0	0	0	0	0	0	0	0	0	0	0	1
Washington	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	11	11	11	11	11	11	11	12	12	12	11	11	10
Wyoming	0	0	0	0	0	0	2	2	1	0	0	0	0

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.2.—Enrollments of secondary districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	(In thousands)												
	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,121	1,012	1,024	958	980	1,054	957	918	974	904	950	848	584
Northeast	216	190	198	181	201	207	209	176	180	173	184	92	45
Midwest	324	308	300	284	250	276	225	220	246	242	236	215	218
South	3	8	9	3	9	9	2	7	4	6	6	2	4
West	578	506	518	490	520	562	521	515	543	483	525	539	317
Alabama	0	0	0	0	0	0	0	0	0	0	0	0	0
Alaska	0	0	0	0	0	0	0	0	0	0	0	0	0
Arizona	77	67	57	61	55	58	54	55	65	53	58	60	63
Arkansas	0	0	0	0	0	0	0	0	0	0	0	0	0
California	422	416	434	388	442	442	445	419	416	390	402	409	201
Colorado	([*])	0	([*])	0	0	0	0	0	0	0	0	0	0
Connecticut	8	8	8	7	7	7	7	7	6	6	7	7	2
Delaware	1	6	6	1	6	6	1	6	2	4	4	1	0
Dist. of Columbia	0	0	0	0	0	0	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0	0	0	0	0	0	0
Georgia	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0	0	0	0	0	0	0
Illinois	260	249	238	227	195	218	205	197	193	192	194	198	202
Indiana	1	0	1	0	0	1	0	0	0	0	0	0	0
Iowa	0	0	0	0	0	0	([*])	1	1	1	1	([*])	0
Kansas	0	0	0	0	0	0	0	0	0	0	0	0	0
Kentucky	0	0	0	0	0	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	0	0	0	0	0	0
Maine	2	2	2	2	1	2	2	2	2	2	2	2	1
Maryland	0	0	0	0	0	0	0	0	0	0	0	0	0
Massachusetts	58	56	54	54	47	41	58	54	55	51	55	12	6
Michigan	0	0	0	0	0	0	0	0	0	0	0	([*])	0
Minnesota	1	0	0	0	0	2	2	2	3	3	2	3	2
Mississippi	3	2	2	2	2	2	2	1	2	2	2	2	2
Missouri	0	0	0	0	0	0	4	3	3	0	0	0	0
Montana	58	6	6	25	8	44	8	29	43	27	43	48	42
Nebraska	5	5	5	5	5	4	5	4	4	5	4	4	3
Nevada	0	0	0	0	0	0	0	0	0	0	0	0	0
New Hampshire	2	2	2	3	2	2	4	2	2	1	3	3	2
New Jersey	96	76	94	71	102	105	104	73	77	75	87	38	29
New Mexico	0	0	0	0	0	0	0	0	0	0	0	0	0
New York	18	17	17	16	17	17	16	15	15	15	15	15	0
North Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota	([*])	0	([*])	0	4	4	([*])	4	([*])	([*])	([*])	([*])	0
Ohio	44	43	44	42	36	37	0	0	34	33	26	0	2
Oklahoma	0	0	0	0	0	0	0	0	0	0	0	0	0
Oregon	21	16	20	16	15	18	15	12	19	12	22	21	12
Pennsylvania	9	8	1	8	5	13	0	7	7	7	0	0	0
Rhode Island	2	2	2	2	2	2	2	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	0	0	0	0	0	0
Tennessee	0	0	0	0	([*])	0	0	0	0	0	0	0	0
Texas	0	0	0	0	1	1	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermont	20	18	19	18	18	19	17	17	18	15	16	16	4
Virginia	0	0	0	0	0	0	0	0	0	0	0	0	2
Washington	0	0	0	0	0	0	0	0	0	0	0	0	0
West Virginia	0	0	0	0	0	0	0	0	0	0	0	0	0
Wisconsin	12	11	11	10	10	10	9	9	9	9	9	9	9
Wyoming	0	0	0	0	0	0	([*])	([*])	([*])	0	0	0	0

* Enrollment less than 500.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.3.—Medians for instructional expenditures per pupil for secondary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,338	1,499	1,642	1,771	2,214	2,468	2,520	2,698	2,966	3,218	3,262	3,062	3,383
Northeast	1,578	1,780	1,837	2,032	2,749	2,957	3,178	3,615	3,800	4,116	5,066	5,332	5,063
Midwest	1,541	1,802	1,888	2,122	2,538	2,705	2,920	3,115	3,508	3,834	4,144	4,330	4,511
South	886	1,031	1,086	1,026	1,709	2,426	2,176	3,224	6,209	4,978	5,373	2,279	3,493
West	1,194	1,298	1,468	1,552	2,054	2,235	2,425	2,574	2,751	2,965	2,900	2,862	2,882
Alabama	()	()	()	()	()	()	()	()	()	()	()	()	()
Alaska	()	()	()	()	()	()	()	()	()	()	()	()	()
Arizona	923	1,132	1,458	1,207	1,507	1,891	2,279	2,135	2,192	2,950	2,295	2,435	2,395
Arkansas	()	()	()	()	()	()	()	()	()	()	()	()	()
California	1,208	1,298	1,464	1,562	2,108	2,247	2,448	2,579	2,764	2,965	2,889	2,839	2,788
Colorado	1,961	()	2,931	()	()	()	()	()	()	()	()	()	()
Connecticut	1,510	1,780	2,222	2,311	2,694	3,002	3,795	4,398	5,169	5,608	5,631	5,594	6,546
Delaware	953	1,155	1,188	1,340	2,371	3,179	2,572	4,514	6,209	4,978	5,373	3,609	()
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	()	()	()	()	()	()	()	()	()	()	()	()	()
Georgia	()	()	()	()	()	()	()	()	()	()	()	()	()
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	()	()	()	()	()	()	()	()	()	()	()	()	()
Illinois	1,552	1,783	1,827	2,032	2,497	2,600	2,844	3,115	3,481	3,826	4,050	4,330	4,511
Indiana	1,090	()	1,258	()	()	1,670	()	()	()	()	()	()	()
Iowa	()	()	()	()	()	()	2,735	1,864	2,282	2,526	3,954	4,962	()
Kansas	()	()	()	()	()	()	()	()	()	()	()	()	()
Kentucky	()	()	()	()	()	()	()	()	()	()	()	()	()
Louisiana	()	()	()	()	()	()	()	()	()	()	()	()	()
Maine	1,280	1,369	1,422	1,526	1,783	2,084	2,313	2,802	3,023	3,393	3,327	3,978	4,149
Maryland	()	()	()	()	()	()	()	()	()	()	()	()	()
Massachusetts	1,639	1,803	1,908	2,019	2,682	3,366	3,085	3,431	3,591	3,843	3,921	3,882	5,176
Michigan	()	()	()	()	()	()	()	()	()	2,530	()	2,807	()
Minnesota	8,771	()	()	()	()	2,239	3,145	3,163	3,444	3,239	3,461	3,681	4,008
Mississippi	886	953	1,049	919	1,150	1,124	1,597	2,515	2,127	2,192	2,501	1,978	2,405
Missouri	()	()	()	()	()	()	14,761	17,230	19,066	()	()	()	()
Montana	1,082	1,477	1,847	2,305	2,653	2,709	2,867	2,633	2,876	2,983	2,991	2,993	3,715
Nebraska	1,307	1,516	1,801	1,771	2,107	2,321	2,180	2,238	3,105	3,375	4,000	4,305	4,285
Nevada	()	()	()	()	()	()	()	()	()	()	()	()	()
New Hampshire	1,208	1,494	1,588	1,393	2,522	2,607	2,191	4,143	4,621	5,245	4,887	4,592	4,848
New Jersey	1,530	1,820	1,801	2,090	2,885	2,957	3,178	3,615	3,943	4,262	5,849	5,676	5,063
New Mexico	()	()	()	()	()	()	()	()	()	()	()	()	()
New York	2,158	2,348	2,264	2,539	4,269	4,301	5,144	5,653	5,991	6,551	6,576	6,801	()
North Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
North Dakota	1,438	()	1,505	()	2,017	1,648	2,615	1,709	2,855	2,947	3,719	2,583	()
Ohio	1,509	1,995	2,124	2,349	3,339	3,004	()	()	3,718	4,187	5,947	()	2,606
Oklahoma	()	()	()	()	()	2,190	()	()	()	()	()	()	()
Oregon	1,296	1,702	1,908	1,993	2,453	2,418	2,690	2,884	3,271	3,650	3,475	3,819	3,610
Pennsylvania	1,224	1,720	1,362	1,586	2,427	2,493	()	2,945	2,480	2,497	()	()	()
Rhode Island	1,362	1,543	1,804	2,155	2,785	2,928	3,064	()	()	()	()	()	()
South Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
South Dakota	()	()	()	()	()	()	()	()	()	()	()	()	()
Tennessee	()	()	()	()	1,432	()	()	()	()	()	()	()	()
Texas	()	()	()	()	4,135	3,735	()	()	()	()	()	()	()
Utah	()	()	()	()	()	()	()	()	()	()	()	()	()
Vermont	1,261	1,350	1,509	1,566	1,769	2,311	2,602	2,855	3,375	3,712	3,847	4,146	4,507
Virginia	()	()	()	()	()	()	()	()	()	()	()	()	3,493
Washington	()	()	()	()	()	()	()	()	()	()	()	()	()
West Virginia	()	()	()	()	()	()	()	()	()	()	()	()	()
Wisconsin	1,347	1,612	1,806	1,689	2,513	3,118	3,672	3,634	3,989	4,312	4,475	4,726	4,815
Wyoming	()	()	()	()	()	()	5,048	5,200	5,538	()	()	()	()

* No secondary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.4.—Means of instructional expenditures per pupil for secondary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,417	1,602	1,730	1,874	2,402	2,556	2,811	3,003	3,281	3,542	3,746	3,558	3,735
Northeast	1,665	1,895	1,966	2,181	3,002	3,075	3,385	3,759	4,101	4,537	5,385	5,508	5,553
Midwest	1,620	1,874	1,960	2,160	2,658	2,687	3,164	3,395	3,763	3,835	4,234	4,327	4,400
South	875	1,490	1,547	1,067	1,935	2,512	1,973	3,502	4,494	3,830	4,133	2,443	3,043
West	1,213	1,328	1,511	1,599	2,056	2,302	2,432	2,570	2,780	3,035	2,946	2,924	3,027
Alabama	()	()	()	()	()	()	()	()	()	()	()	()	()
Alaska	()	()	()	()	()	()	()	()	()	()	()	()	()
Arizona	1,044	1,254	1,577	1,200	1,524	1,841	2,117	2,288	2,233	3,232	2,505	2,697	2,655
Arkansas	()	()	()	()	()	()	()	()	()	()	()	()	()
California	1,222	1,325	1,479	1,600	2,093	2,304	2,457	2,593	2,817	2,996	2,951	2,884	2,908
Colorado	1,961	()	2,931	()	()	()	()	()	()	()	()	()	()
Connecticut	1,537	1,729	2,114	2,335	2,641	3,028	3,869	4,357	5,014	5,513	5,562	5,909	6,417
Delaware	953	1,659	1,729	1,340	2,001	2,755	2,572	3,762	6,209	4,707	5,052	3,609	()
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	()	()	()	()	()	()	()	()	()	()	()	()	()
Georgia	()	()	()	()	()	()	()	()	()	()	()	()	()
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	()	()	()	()	()	()	()	()	()	()	()	()	()
Illinois	1,623	1,862	1,933	2,134	2,522	2,655	2,955	3,206	3,509	3,775	4,016	4,323	4,415
Indiana	1,090	()	1,258	()	()	1,670	()	()	()	()	()	()	()
Iowa	()	()	()	()	()	()	2,735	2,201	2,357	2,970	4,194	4,665	()
Kansas	()	()	()	()	()	()	()	()	()	()	()	()	()
Kentucky	()	()	()	()	()	()	()	()	()	()	()	()	()
Louisiana	()	()	()	()	()	()	()	()	()	()	()	()	()
Maine	1,223	1,366	1,446	1,488	1,923	2,152	2,394	2,712	3,056	3,410	3,431	4,066	3,979
Maryland	()	()	()	()	()	()	()	()	()	()	()	()	()
Massachusetts	1,762	1,924	1,986	2,159	2,854	3,406	3,343	3,695	3,938	4,235	4,275	4,809	5,538
Michigan	()	()	()	()	()	()	()	()	()	2,530	()	2,807	()
Minnesota	8,742	()	()	()	()	2,318	3,029	3,067	3,202	4,209	3,472	3,767	3,721
Mississippi	852	942	1,039	980	1,211	1,325	1,774	2,276	2,088	2,016	2,229	2,035	2,481
Missouri	()	()	()	()	()	()	14,761	17,230	19,066	()	()	()	()
Montana	1,349	1,471	1,881	2,313	2,912	2,891	2,953	2,703	3,008	3,019	3,250	3,194	3,964
Nebraska	1,452	1,664	1,870	2,056	2,197	2,625	2,400	2,521	3,470	3,563	4,338	4,500	4,625
Nevada	()	()	()	()	()	()	()	()	()	()	()	()	()
New Hampshire	1,174	1,437	1,543	1,569	2,344	2,566	2,537	3,852	4,333	4,858	4,839	4,727	5,284
New Jersey	1,674	1,984	1,958	2,296	3,161	2,987	3,264	3,601	4,080	4,575	6,178	5,990	5,777
New Mexico	()	()	()	()	()	()	()	()	()	()	()	()	()
New York	2,136	2,305	2,487	2,755	4,111	4,280	5,175	5,707	6,057	6,785	6,769	6,523	()
North Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
North Dakota	1,564	()	1,852	()	2,082	1,756	2,672	1,816	3,101	3,063	3,584	2,877	()
Ohio	1,514	2,002	2,133	2,379	3,488	2,923	()	()	3,740	4,129	5,896	()	2,606
Oklahoma	()	()	()	()	()	2,190	()	()	()	()	()	()	()
Oregon	1,296	1,687	1,886	1,958	2,468	2,277	2,494	2,681	3,291	3,459	3,450	3,713	3,687
Pennsylvania	1,261	1,578	1,643	1,706	2,427	2,304	()	3,015	2,447	2,573	()	()	()
Rhode Island	1,362	1,543	1,804	2,155	2,785	2,928	3,064	()	()	()	()	()	()
South Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
South Dakota	()	()	()	()	()	()	()	()	()	()	()	()	()
Tennessee	()	()	()	()	1,432	()	()	()	()	()	()	()	()
Texas	()	()	()	()	4,135	3,735	()	()	()	()	()	()	()
Utah	()	()	()	()	()	()	()	()	()	()	()	()	()
Vermont	1,257	1,400	1,558	1,620	1,922	2,479	2,782	3,043	3,433	3,744	3,930	4,147	4,389
Virginia	()	()	()	()	()	()	()	()	()	()	()	()	3,493
Washington	()	()	()	()	()	()	()	()	()	()	()	()	()
West Virginia	()	()	()	()	()	()	()	()	()	()	()	()	()
Wisconsin	1,464	1,759	1,960	1,890	2,759	3,102	3,776	3,624	3,986	4,180	4,382	4,586	4,556
Wyoming	()	()	()	()	()	()	5,474	5,451	5,538	()	()	()	()

* No secondary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.5.—Ninety-fifth percentiles of instructional expenditures per pupil for secondary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	2,105	2,398	2,480	2,784	3,815	3,844	4,383	4,689	5,293	5,695	6,589	5,977	6,066
Northeast	2,313	2,651	2,751	3,092	4,526	4,448	5,144	5,861	5,991	6,779	7,876	8,220	8,055
Midwest	2,236	2,448	2,507	2,822	3,874	3,688	4,633	4,776	5,368	5,310	6,520	6,100	6,340
South	953	2,469	2,658	1,340	4,135	3,735	2,572	4,514	6,209	4,978	5,373	3,609	3,493
West	1,531	1,773	1,869	2,081	2,578	2,821	2,867	3,008	3,331	3,726	3,642	3,784	3,897
Alabama	()	()	()	()	()	()	()	()	()	()	()	()	()
Alaska	()	()	()	()	()	()	()	()	()	()	()	()	()
Arizona	1,281	1,464	1,786	1,274	1,648	2,141	2,300	2,660	2,618	3,726	3,193	3,466	3,406
Arkansas	()	()	()	()	()	()	()	()	()	()	()	()	()
California	1,527	1,812	1,846	1,958	2,578	2,746	2,880	3,008	3,232	3,526	3,466	3,375	3,379
Colorado	1,961	()	2,931	()	()	()	()	()	()	()	()	()	()
Connecticut	1,751	1,904	2,637	2,997	3,168	3,615	4,384	4,974	5,747	6,132	6,659	7,072	7,820
Delaware	953	2,469	2,658	1,340	2,371	3,179	2,572	4,514	6,209	4,978	5,373	3,609	()
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	()	()	()	()	()	()	()	()	()	()	()	()	()
Georgia	()	()	()	()	()	()	()	()	()	()	()	()	()
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	()	()	()	()	()	()	()	()	()	()	()	()	()
Illinois	2,298	2,552	2,507	2,784	3,289	3,688	4,291	4,689	5,368	5,717	5,897	6,606	6,340
Indiana	1,090	()	1,258	()	()	1,670	()	()	()	()	()	()	()
Iowa	()	()	()	()	()	()	2,735	2,538	2,434	4,345	4,795	4,962	()
Kansas	()	()	()	()	()	()	()	()	()	()	()	()	()
Kentucky	()	()	()	()	()	()	()	()	()	()	()	()	()
Louisiana	()	()	()	()	()	()	()	()	()	()	()	()	()
Maine	1,305	1,515	1,530	1,567	2,065	2,466	3,009	3,125	3,216	3,639	3,738	4,443	4,313
Maryland	()	()	()	()	()	()	()	()	()	()	()	()	()
Massachusetts	2,492	2,959	2,879	3,029	4,361	4,722	4,846	5,407	5,731	6,263	6,360	7,886	8,055
Michigan	()	()	()	()	()	()	()	()	()	2,530	()	2,807	()
Minnesota	8,771	()	()	()	()	2,788	3,668	3,871	4,302	15,310	4,153	5,529	4,560
Mississippi	903	1,031	1,123	1,111	1,636	1,965	2,500	2,656	2,743	2,326	2,519	2,506	3,223
Missouri	()	()	()	()	()	()	14,761	17,230	19,066	()	()	()	()
Montana	1,991	1,773	2,564	2,941	4,141	5,123	3,350	3,764	4,600	3,913	4,755	4,526	5,949
Nebraska	2,197	2,365	2,770	3,187	3,310	4,418	3,862	4,200	5,400	5,077	8,045	7,852	7,779
Nevada	()	()	()	()	()	()	()	()	()	()	()	()	()
New Hampshire	1,208	1,494	1,588	1,873	2,522	2,607	3,523	4,143	4,621	5,245	5,525	5,623	6,034
New Jersey	2,313	3,191	2,811	3,126	5,117	4,445	4,756	5,545	5,740	6,779	8,071	9,719	8,480
New Mexico	()	()	()	()	()	()	()	()	()	()	()	()	()
New York	2,158	2,348	2,574	2,795	4,478	4,692	5,349	5,861	6,084	6,863	6,589	6,978	()
North Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
North Dakota	1,711	()	2,586	()	2,401	2,465	3,471	2,928	4,408	5,548	4,240	4,164	()
Ohio	1,827	2,290	2,598	2,844	4,512	3,655	()	()	4,589	5,000	7,503	()	2,606
Oklahoma	()	()	()	()	()	2,190	()	()	()	()	()	()	()
Oregon	1,419	1,913	2,209	2,244	2,932	2,602	2,727	2,890	3,604	3,735	4,315	4,180	4,307
Pennsylvania	1,887	2,025	1,960	2,159	2,427	2,696	()	3,681	2,851	3,209	()	()	()
Rhode Island	1,362	1,543	1,804	2,155	2,785	2,928	3,064	()	()	()	()	()	()
South Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
South Dakota	()	()	()	()	()	()	()	()	()	()	()	()	()
Tennessee	()	()	()	()	1,432	()	()	()	()	()	()	()	()
Texas	()	()	()	()	4,135	3,735	()	()	()	()	()	()	()
Utah	()	()	()	()	()	()	()	()	()	()	()	()	()
Vermont	1,604	1,682	1,948	2,073	2,505	3,290	4,771	4,085	4,903	5,066	5,196	5,409	4,732
Virginia	()	()	()	()	()	()	()	()	()	()	()	()	3,493
Washington	()	()	()	()	()	()	()	()	()	()	()	()	()
West Virginia	()	()	()	()	()	()	()	()	()	()	()	()	()
Wisconsin	1,862	2,226	2,420	2,342	3,462	3,700	6,708	4,667	4,854	5,034	5,094	5,081	5,197
Wyoming	()	()	()	()	()	()	6,106	5,841	5,538	()	()	()	()

* No secondary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.6.—Fifth percentiles of instructional expenditures per pupil for secondary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	923	1,114	1,245	1,248	1,588	1,811	1,974	2,023	2,192	2,544	2,410	2,411	2,307
Northeast	1,134	1,259	1,343	1,437	1,861	1,772	2,032	1,970	2,618	2,807	3,285	3,749	3,943
Midwest	1,161	1,340	1,403	1,555	1,733	1,816	2,027	1,984	2,355	2,472	2,642	2,624	2,660
South	803	821	730	856	918	1,028	1,229	1,889	1,486	1,409	1,605	1,582	2,089
West	891	1,031	1,245	1,165	1,507	1,811	1,953	2,087	2,133	2,550	2,257	2,304	2,231
Alabama	()	()	()	()	()	()	()	()	()	()	()	()	()
Alaska	()	()	()	()	()	()	()	()	()	()	()	()	()
Arizona	873	1,021	1,329	1,107	1,457	1,094	1,793	1,705	1,735	2,330	1,906	2,144	1,943
Arkansas	()	()	()	()	()	()	()	()	()	()	()	()	()
California	973	1,031	1,172	1,293	1,774	1,953	2,158	2,162	2,428	2,571	2,571	2,507	2,231
Colorado	1,961	()	2,931	()	()	()	()	()	()	()	()	()	()
Connecticut	1,378	1,520	1,699	1,958	2,141	2,622	3,300	3,641	4,463	4,751	4,780	5,332	5,339
Delaware	953	821	730	1,340	1,293	1,766	2,572	2,377	6,209	3,268	3,367	3,609	()
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	()	()	()	()	()	()	()	()	()	()	()	()	()
Georgia	()	()	()	()	()	()	()	()	()	()	()	()	()
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	()	()	()	()	()	()	()	()	()	()	()	()	()
Illinois	1,161	1,329	1,384	1,549	1,707	1,851	2,027	2,119	2,342	2,472	2,533	2,624	2,660
Indiana	1,090	()	1,258	()	()	1,670	()	()	()	()	()	()	()
Iowa	()	()	()	()	()	()	2,735	1,864	2,282	2,358	3,854	4,319	()
Kansas	()	()	()	()	()	()	()	()	()	()	()	()	()
Kentucky	()	()	()	()	()	()	()	()	()	()	()	()	()
Louisiana	()	()	()	()	()	()	()	()	()	()	()	()	()
Maine	1,009	1,211	1,388	1,369	1,783	1,802	1,988	2,521	3,022	3,099	3,035	3,802	3,435
Maryland	()	()	()	()	()	()	()	()	()	()	()	()	()
Massachusetts	1,348	1,484	1,458	1,593	2,126	2,497	2,234	2,294	2,693	2,988	3,085	3,761	3,898
Michigan	()	()	()	()	()	()	()	()	()	2,530	()	2,807	()
Minnesota	8,597	()	()	()	()	1,751	1,708	1,870	2,015	2,429	2,482	2,327	2,848
Mississippi	803	856	921	856	918	1,028	1,229	1,889	1,486	1,409	1,605	1,582	2,089
Missouri	()	()	()	()	()	()	14,761	17,230	19,066	()	()	()	()
Montana	860	1,224	1,478	1,537	2,309	1,754	2,598	1,773	1,950	2,122	2,198	2,299	3,081
Nebraska	1,111	1,282	1,392	1,469	1,467	1,940	1,643	1,821	2,817	2,966	3,521	3,203	3,546
Nevada	()	()	()	()	()	()	()	()	()	()	()	()	()
New Hampshire	1,096	1,292	1,390	1,373	1,940	2,377	1,917	3,276	3,696	3,919	3,791	3,547	4,364
New Jersey	1,134	1,259	1,371	1,534	2,001	1,377	1,494	1,494	3,081	3,098	4,537	4,981	4,611
New Mexico	()	()	()	()	()	()	()	()	()	()	()	()	()
New York	1,978	2,115	2,264	2,539	3,786	4,045	4,846	5,299	5,759	6,380	6,443	5,973	()
North Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
North Dakota	1,438	()	1,505	()	2,017	1,648	2,377	1,709	2,452	2,135	3,065	2,347	()
Ohio	1,246	1,711	1,779	1,951	2,775	2,051	()	()	2,879	3,186	4,201	()	2,606
Oklahoma	()	()	()	()	()	2,190	()	()	()	()	()	()	()
Oregon	1,091	1,353	1,607	1,537	2,094	1,921	1,901	2,086	2,664	2,788	2,830	2,961	2,993
Pennsylvania	997	1,290	1,362	1,344	2,427	1,089	()	2,533	2,092	2,324	()	()	()
Rhode Island	1,362	1,543	1,804	2,155	2,785	2,928	3,064	()	()	()	()	()	()
South Carolina	()	()	()	()	()	()	()	()	()	()	()	()	()
South Dakota	()	()	()	()	()	()	()	()	()	()	()	()	()
Tennessee	()	()	()	()	1,432	()	()	()	()	()	()	()	()
Texas	()	()	()	()	4,135	3,735	()	()	()	()	()	()	()
Utah	()	()	()	()	()	()	()	()	()	()	()	()	()
Vermont	977	1,093	1,192	1,201	1,567	1,976	2,032	2,384	2,618	2,537	3,166	2,921	3,304
Virginia	()	()	()	()	()	()	()	()	()	()	()	()	3,493
Washington	()	()	()	()	()	()	()	()	()	()	()	()	()
West Virginia	()	()	()	()	()	()	()	()	()	()	()	()	()
Wisconsin	1,201	1,340	1,545	1,566	2,262	2,419	2,780	2,832	3,203	3,373	3,408	3,566	3,680
Wyoming	()	()	()	()	()	()	5,048	5,200	5,538	()	()	()	()

* No secondary districts.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.7.—Standard deviations for instructional expenditures per pupil for secondary districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	466	443	440	520	697	648	1,030	1,200	1,294	1,091	1,430	1,219	1,239
Northeast	421	543	603	675	918	859	1,007	1,165	1,125	1,614	1,778	1,383	1,259
Midwest	498	354	359	416	627	552	1,626	1,893	1,978	967	1,209	1,133	1,121
South	57	739	810	178	748	823	531	1,008	2,050	1,380	1,472	750	558
West	355	212	240	312	311	427	261	325	431	383	468	455	672
Alabama	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Alaska	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Arizona	184	186	333	58	84	255	198	331	327	659	492	537	536
Arkansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
California	168	203	201	206	220	238	211	239	261	293	305	307	358
Colorado	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Connecticut	122	139	268	313	298	293	418	487	414	472	615	570	1,064
Delaware	(¹)	770	874	(¹)	476	555	(¹)	906	0	625	735	(¹)	(¹)
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Georgia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Illinois	308	366	363	419	531	521	643	770	861	951	1,030	1,150	1,134
Indiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Iowa	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	337	76	859	416	321	(¹)
Kansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Kentucky	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Louisiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Maine	109	112	58	80	141	230	297	150	54	168	244	222	360
Maryland	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Massachusetts	384	388	437	455	809	668	859	972	1,004	1,104	1,068	1,332	1,335
Michigan	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Minnesota	65	(¹)	(¹)	(¹)	(¹)	314	576	615	622	3,101	522	898	686
Mississippi	43	68	75	102	246	331	466	340	431	394	403	342	364
Missouri	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Montana	971	148	219	495	637	1,002	354	738	886	555	955	802	1,024
Nebraska	325	397	464	579	589	759	684	689	939	942	1,207	1,141	1,142
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	50	86	75	238	261	88	599	402	396	542	596	698	721
New Jersey	385	645	708	828	908	859	908	1,126	896	1,766	1,847	1,351	1,227
New Mexico	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New York	412	457	434	518	290	249	714	776	775	1,109	1,151	684	(¹)
North Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
North Dakota	136	(¹)	419	(¹)	222	283	287	348	692	1,057	420	694	(¹)
Ohio	211	189	260	267	479	532	(¹)	(¹)	519	587	1,356	(¹)	(¹)
Oklahoma	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oregon	134	181	247	167	242	306	309	269	405	306	400	430	448
Pennsylvania	260	260	298	246	(¹)	386	(¹)	322	262	287	(¹)	(¹)	(¹)
Rhode Island	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Dakota	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Tennessee	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Texas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Utah	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Vermont	207	256	313	249	305	603	694	588	680	695	682	744	385
Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Washington	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
West Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Wisconsin	294	391	321	423	459	538	954	514	562	464	549	558	470
Wyoming	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	519	313	(¹)	(¹)	(¹)	(¹)	(¹)

¹ No secondary districts.² One secondary district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.13.—Atkinson's index with a value of E of 2 for instructional expenditures per pupil for secondary districts, by region and state:
Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.938	0.938	0.951	0.938	0.936	0.946	0.936	0.925	0.926	0.939	0.903	0.916	0.910
Northeast	0.944	0.939	0.943	0.935	0.922	0.917	0.914	0.900	0.932	0.915	0.918	0.941	0.955
Midwest	0.955	0.966	0.967	0.963	0.947	0.958	0.908	0.893	0.905	0.943	0.928	0.934	0.933
South	0.996	0.803	0.782	0.974	0.874	0.863	0.921	0.910	0.734	0.826	0.836	0.916	0.962
West	0.966	0.977	0.979	0.967	0.978	0.973	0.989	0.984	0.977	0.986	0.978	0.980	0.962
Alabama	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Alaska	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Arizona	0.971	0.979	0.966	0.998	0.997	0.976	0.991	0.978	0.977	0.965	0.964	0.964	0.963
Arkansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
California	0.981	0.979	0.984	0.984	0.990	0.990	0.993	0.992	0.992	0.991	0.990	0.990	0.985
Colorado	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Connecticut	0.994	0.993	0.983	0.983	0.987	0.991	0.989	0.987	0.993	0.993	0.988	0.991	0.973
Delaware	(¹)	0.789	0.745	(¹)	0.934	0.951	(¹)	0.933	(¹)	0.977	0.971	(¹)	(¹)
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Georgia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Illinois	0.966	0.963	0.965	0.962	0.957	0.963	0.956	0.946	0.943	0.940	0.937	0.932	0.932
Indiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Iowa	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.977	0.999	0.934	0.991	0.995	(¹)
Kansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Kentucky	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Louisiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Maine	0.991	0.993	0.998	0.997	0.995	0.988	0.985	0.997	1.000	0.998	0.995	0.997	0.991
Maryland	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Massachusetts	0.962	0.967	0.960	0.962	0.947	0.964	0.942	0.936	0.943	0.946	0.951	0.942	0.944
Michigan	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Minnesota	1.000	(¹)	(¹)	(¹)	(¹)	0.981	0.950	0.952	0.958	0.828	0.976	0.944	0.964
Mississippi	0.998	0.995	0.994	0.989	0.962	0.949	0.933	0.977	0.954	0.954	0.961	0.971	0.981
Missouri	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Montana	0.880	0.990	0.988	0.952	0.963	0.902	0.989	0.932	0.931	0.969	0.941	0.956	0.955
Nebraska	0.959	0.958	0.951	0.940	0.941	0.936	0.942	0.950	0.956	0.960	0.957	0.957	0.958
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.998	0.996	0.998	0.979	0.986	0.999	0.952	0.988	0.991	0.986	0.984	0.977	0.981
New Jersey	0.952	0.928	0.940	0.927	0.934	0.910	0.915	0.879	0.957	0.925	0.945	0.959	0.962
New Mexico	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New York	0.981	0.980	0.982	0.981	0.995	0.997	0.989	0.989	0.990	0.984	0.984	0.992	(¹)
North Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
North Dakota	0.993	(¹)	0.955	(¹)	0.992	0.981	0.990	0.977	0.958	0.906	0.986	0.955	(¹)
Ohio	0.978	0.991	0.986	0.987	0.983	0.957	(¹)	(¹)	0.980	0.979	0.957	(¹)	(¹)
Oklahoma	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oregon	0.990	0.988	0.985	0.992	0.992	0.983	0.983	0.989	0.986	0.991	0.988	0.987	0.987
Pennsylvania	0.962	0.973	0.968	0.981	(¹)	0.956	(¹)	0.989	0.989	0.989	(¹)	(¹)	(¹)
Rhode Island	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Dakota	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Tennessee	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Texas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Utah	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Vermont	0.974	0.970	0.966	0.976	0.976	0.957	0.951	0.965	0.963	0.967	0.971	0.967	0.991
Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Washington	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
West Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Wisconsin	0.967	0.966	0.976	0.971	0.977	0.971	0.955	0.981	0.981	0.987	0.984	0.986	0.989
Wyoming	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.991	0.997	(¹)	(¹)	(¹)	(¹)	(¹)

¹ No secondary districts.

² One secondary district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.3.14.—Atkinson's index with a value of E of 150 for instructional expenditures per pupil for secondary districts, by region and state:
Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.540	0.536	0.426	0.480	0.402	0.398	0.460	0.513	0.450	0.418	0.450	0.467	0.502
Northeast	0.577	0.545	0.574	0.566	0.496	0.368	0.451	0.406	0.528	0.528	0.539	0.546	0.614
Midwest	0.521	0.490	0.647	0.597	0.574	0.453	0.509	0.463	0.421	0.413	0.543	0.557	0.423
South	0.927	0.558	0.478	0.811	0.484	0.417	0.629	0.549	0.335	0.374	0.394	0.654	0.696
West	0.628	0.738	0.486	0.689	0.713	0.441	0.747	0.683	0.529	0.660	0.666	0.695	0.639
Alabama	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Alaska	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Arizona	0.820	0.828	0.459	0.905	0.947	0.605	0.860	0.756	0.650	0.731	0.772	0.743	0.721
Arkansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
California	0.622	0.739	0.664	0.794	0.853	0.853	0.739	0.759	0.810	0.814	0.752	0.818	0.781
Colorado	(²)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Connecticut	0.908	0.888	0.814	0.848	0.820	0.876	0.863	0.844	0.901	0.872	0.870	0.913	0.837
Delaware	(¹)	0.501	0.427	(¹)	0.655	0.649	(¹)	0.639	(¹)	0.703	0.675	(¹)	(¹)
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Georgia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Illinois	0.535	0.492	0.655	0.604	0.631	0.581	0.545	0.490	0.451	0.419	0.572	0.558	0.422
Indiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Iowa	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.851	0.973	0.799	0.926	0.931	(¹)
Kansas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Kentucky	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Louisiana	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Maine	0.835	0.897	0.970	0.930	0.931	0.847	0.838	0.940	0.992	0.925	0.895	0.945	0.871
Maryland	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Massachusetts	0.573	0.735	0.698	0.747	0.668	0.728	0.642	0.547	0.611	0.668	0.676	0.793	0.711
Michigan	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Minnesota	0.994	(¹)	(¹)	(¹)	(¹)	0.767	0.572	0.620	0.641	0.588	0.727	0.629	0.771
Mississippi	0.951	0.916	0.894	0.881	0.765	0.783	0.698	0.834	0.717	0.705	0.726	0.784	0.849
Missouri	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Montana	0.573	0.791	0.799	0.530	0.780	0.345	0.853	0.663	0.566	0.651	0.641	0.701	0.751
Nebraska	0.776	0.784	0.754	0.724	0.676	0.751	0.696	0.734	0.825	0.843	0.825	0.726	0.777
Nevada	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New Hampshire	0.944	0.911	0.912	0.880	0.838	0.937	0.765	0.860	0.862	0.815	0.794	0.760	0.834
New Jersey	0.691	0.646	0.681	0.642	0.645	0.469	0.466	0.421	0.667	0.625	0.647	0.741	0.807
New Mexico	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
New York	0.930	0.922	0.915	0.926	0.926	0.950	0.942	0.934	0.957	0.946	0.959	0.921	(¹)
North Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
North Dakota	0.924	(¹)	0.816	(¹)	0.931	0.939	0.899	0.942	0.797	0.701	0.861	0.824	(¹)
Ohio	0.550	0.807	0.784	0.731	0.786	0.411	(¹)	(¹)	0.700	0.693	0.705	(¹)	(¹)
Oklahoma	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Oregon	0.853	0.813	0.766	0.799	0.866	0.812	0.774	0.792	0.808	0.821	0.803	0.803	0.825
Pennsylvania	0.798	0.826	0.833	0.801	(¹)	0.482	(¹)	0.854	0.866	0.912	(¹)	(¹)	(¹)
Rhode Island	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Carolina	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
South Dakota	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Tennessee	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Texas	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Utah	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Vermont	0.752	0.726	0.713	0.750	0.762	0.707	0.725	0.661	0.670	0.691	0.731	0.716	0.766
Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Washington	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
West Virginia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Wisconsin	0.831	0.773	0.801	0.843	0.834	0.793	0.750	0.796	0.818	0.821	0.792	0.792	0.822
Wyoming	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	0.925	0.957	(¹)	(¹)	(¹)	(¹)	(¹)

¹ No secondary districts.

² One secondary district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.1.—Number of all districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	15,745	12,706	15,422	12,796	12,855	15,324	12,906	12,768	15,075	12,835	14,924	13,147	12,323
Northeast	3,088	2,676	3,027	2,726	2,664	2,994	2,804	2,748	2,977	2,761	2,981	2,584	2,527
Midwest	6,243	5,780	6,166	5,741	5,859	6,012	5,765	5,673	5,847	5,721	5,773	5,582	5,447
South	3,452	2,347	3,461	2,327	2,341	3,397	2,326	2,317	3,370	2,337	3,308	2,304	2,489
West	2,962	1,903	2,768	2,002	1,991	2,921	2,011	2,030	2,881	2,016	2,862	2,677	1,860
Alabama	127	79	127	79	129	129	129	130	129	129	129	129	127
Alaska	52	32	31	33	33	55	55	55	57	54	53	54	53
Arizona	213	73	210	65	74	210	69	85	214	85	216	214	213
Arkansas	373	78	370	78	80	330	79	100	328	100	320	117	117
California	1,039	1,039	1,031	1,033	1,028	1,031	1,029	1,021	1,006	1,005	1,003	1,002	221
Colorado	181	69	182	69	81	176	83	78	176	79	176	57	57
Connecticut	165	165	165	165	165	165	166	166	165	166	166	166	166
Delaware	13	16	19	16	19	19	17	19	17	17	17	19	18
Dist. of Columbia	1	1	1	1	1	1	1	1	1	1	1	1	1
Florida	67	67	67	67	67	67	67	66	67	67	67	67	67
Georgia	186	79	186	79	75	186	75	72	185	72	182	66	181
Hawaii	1	1	1	1	1	1	1	1	1	1	1	1	1
Idaho	115	66	115	115	116	116	115	115	114	114	113	113	113
Illinois	1,010	1,009	1,005	1,008	994	992	981	970	950	946	942	933	921
Indiana	304	212	302	212	183	302	181	162	296	295	294	296	295
Iowa	447	443	441	440	436	435	436	435	429	430	426	418	395
Kansas	307	306	306	305	304	303	304	304	304	304	304	304	304
Kentucky	181	102	180	102	77	177	77	76	177	76	176	86	86
Louisiana	66	65	66	66	66	66	66	65	66	66	66	66	66
Maine	226	224	222	226	205	224	221	223	222	214	227	227	228
Maryland	24	24	24	24	23	24	24	24	24	24	24	24	24
Massachusetts	380	380	378	376	367	366	363	360	358	358	359	351	347
Michigan	572	557	568	564	559	560	549	537	546	549	557	558	558
Minnesota	439	432	432	434	433	433	432	431	432	437	422	409	397
Mississippi	156	84	157	81	84	157	84	82	156	83	153	72	153
Missouri	552	547	546	547	545	543	543	544	543	542	540	536	534
Montana	558	85	394	147	99	538	102	121	526	121	520	502	486
Nebraska	1,027	1,008	990	966	913	889	857	836	798	778	757	707	672
Nevada	17	17	17	17	17	17	17	17	17	17	17	17	17
New Hampshire	153	83	157	158	156	157	159	159	159	160	162	161	161
New Jersey	585	375	580	375	379	574	396	332	558	344	571	153	144
New Mexico	88	46	89	47	39	88	39	42	87	45	86	41	41
New York	732	730	730	729	725	721	719	717	718	717	715	715	693
North Carolina	144	144	143	143	141	140	141	140	139	134	133	130	121
North Dakota	301	84	292	85	287	284	280	278	277	269	269	255	247
Ohio	664	662	664	660	664	654	664	664	661	661	661	657	614
Oklahoma	613	142	617	142	112	613	112	99	608	99	575	67	67
Oregon	309	98	309	98	125	303	125	110	298	110	292	292	273
Pennsylvania	562	559	506	536	500	509	500	508	509	509	500	529	505
Rhode Island	40	40	40	40	40	40	37	37	37	37	37	35	36
South Carolina	92	55	92	55	66	92	66	54	91	91	91	91	91
South Dakota	187	87	187	87	109	186	109	82	183	81	174	83	83
Tennessee	148	146	145	145	138	141	139	139	139	139	136	137	138
Texas	1,071	1,075	1,077	1,073	1,073	1,065	1,061	1,062	1,055	1,051	1,050	1,044	1,043
Utah	40	28	40	28	31	40	31	40	40	40	40	40	40
Vermont	245	120	249	121	127	238	243	246	251	256	244	247	247
Virginia	135	135	135	134	135	135	133	133	133	133	133	133	134
Washington	300	300	300	300	298	297	296	296	296	296	296	295	296
West Virginia	55	55	55	42	55	55	55	55	55	55	55	55	55
Wisconsin	433	433	433	433	432	431	429	430	428	429	427	426	427
Wyoming	49	49	49	49	49	49	49	49	49	49	49	49	49

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.2.—Enrollments of all districts with instructional expenditures per pupil, by region and state: Fiscal years 1980 to 1994

	(In thousands)												
	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	41,634	39,000	39,889	37,744	37,608	39,749	38,338	38,252	40,395	39,699	41,796	40,904	40,879
Northeast	8,341	7,890	7,841	7,505	7,108	7,266	7,079	6,954	7,093	7,076	7,325	6,997	7,072
Midwest	11,062	10,532	10,418	10,039	9,725	9,897	9,667	9,592	9,858	9,934	10,075	10,147	10,229
South	14,249	13,002	13,972	12,759	13,060	14,549	13,517	13,325	14,582	13,799	15,008	14,253	14,967
West	7,981	7,576	7,659	7,441	7,715	8,038	8,075	8,381	8,863	8,890	9,388	9,507	8,612
Alabama	754	625	709	565	730	733	674	726	723	721	726	728	730
Alaska	86	84	78	94	106	102	105	103	107	111	117	121	124
Arizona	591	472	481	461	497	525	518	603	705	622	654	676	708
Arkansas	453	241	437	233	238	435	240	278	435	278	437	311	313
California	4,165	4,159	3,998	3,987	4,159	4,160	4,385	4,579	4,702	4,905	5,027	5,130	4,120
Colorado	551	487	543	486	481	552	522	517	561	531	593	540	550
Connecticut	548	526	504	485	455	455	450	447	446	456	464	472	480
Delaware	101	102	98	90	95	97	95	98	96	100	101	104	104
Dist. of Columbia	106	100	95	92	88	86	88	85	81	81	81	81	81
Florida	1,506	1,511	1,488	1,485	1,563	1,607	1,665	1,669	1,790	1,862	1,929	1,981	2,040
Georgia	1,077	824	1,069	827	843	1,091	857	869	1,122	859	1,172	894	1,235
Hawaii	166	164	163	161	162	165	166	168	169	171	175	177	181
Idaho	203	183	204	206	220	213	201	203	213	221	226	232	237
Illinois	2,036	1,973	1,906	1,868	1,810	1,813	1,796	1,779	1,792	1,814	1,830	1,857	1,876
Indiana	1,041	884	1,017	837	781	962	744	722	912	919	953	958	964
Iowa	547	533	516	532	489	481	480	499	478	483	492	494	498
Kansas	423	415	410	407	410	412	421	427	431	437	437	451	458
Kentucky	677	534	658	519	452	639	456	447	631	441	634	489	490
Louisiana	830	800	780	796	806	806	790	778	780	780	759	796	798
Maine	228	223	215	215	203	207	206	205	207	211	211	212	212
Maryland	778	751	722	699	644	676	691	689	699	715	736	752	773
Massachusetts	1,045	993	948	915	850	850	825	821	821	827	850	862	877
Michigan	1,936	1,886	1,759	1,770	1,694	1,694	1,657	1,607	1,637	1,651	1,618	1,601	1,602
Minnesota	777	747	729	707	691	699	708	713	739	755	769	782	807
Mississippi	485	332	473	314	318	496	352	347	502	347	501	329	503
Missouri	845	819	817	798	801	801	805	808	808	817	822	835	852
Montana	157	117	116	105	69	147	83	98	148	101	155	159	164
Nebraska	284	276	273	266	262	261	263	265	266	269	279	281	284
Nevada	148	150	151	151	155	161	168	176	187	201	212	223	236
New Hampshire	166	147	161	157	159	161	166	169	172	173	175	178	182
New Jersey	1,296	1,077	1,211	1,049	1,002	1,111	1,032	934	1,075	963	1,106	653	652
New Mexico	266	236	265	234	228	282	238	226	255	239	305	281	287
New York	2,805	2,838	2,764	2,687	2,584	2,580	2,542	2,522	2,516	2,573	2,619	2,663	2,703
North Carolina	1,161	1,142	1,109	1,120	1,093	1,085	1,085	1,081	1,085	1,083	1,086	1,113	1,132
North Dakota	117	82	118	85	118	118	118	119	118	119	119	119	119
Ohio	2,065	1,996	1,944	1,894	1,830	1,799	1,830	1,816	1,798	1,804	1,814	1,834	1,817
Oklahoma	571	376	583	384	361	584	362	347	592	350	587	313	316
Oregon	459	375	457	361	392	452	398	390	472	405	497	510	518
Pennsylvania	2,001	1,863	1,802	1,784	1,650	1,659	1,634	1,630	1,629	1,642	1,663	1,720	1,724
Rhode Island	154	148	143	139	133	133	132	134	135	138	141	139	145
South Carolina	610	539	611	530	541	609	548	501	592	618	626	632	634
South Dakota	132	97	126	94	104	125	107	97	127	99	129	107	108
Tennessee	862	847	849	831	813	822	830	830	829	870	830	845	857
Texas	2,858	2,884	2,923	2,965	3,150	3,466	3,462	3,271	3,316	3,377	3,464	3,535	3,601
Utah	333	328	355	354	395	416	416	430	436	445	457	462	470
Vermont	96	75	94	74	73	109	92	91	93	93	95	97	99
Virginia	1,031	1,010	990	974	966	966	977	980	987	998	1,018	1,033	1,045
Washington	761	723	751	739	749	762	776	790	810	839	869	896	916
West Virginia	388	384	378	337	358	352	344	328	323	320	320	318	314
Wisconsin	858	826	803	780	733	733	737	741	751	766	814	829	844
Wyoming	96	98	98	102	103	101	98	98	97	98	101	100	101

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.3.—Medians for instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,178	1,327	1,448	1,467	1,868	1,994	2,136	2,295	2,458	2,631	2,679	2,838	2,924
Northeast	1,505	1,624	1,741	1,909	2,578	2,794	3,085	3,478	3,645	3,963	4,345	4,597	4,640
Midwest	1,206	1,367	1,466	1,514	1,896	1,940	2,113	2,313	2,421	2,574	2,798	3,034	3,144
South	1,016	1,129	1,266	1,252	1,676	1,721	1,932	2,075	2,265	2,368	2,398	2,573	2,685
West	1,225	1,370	1,502	1,526	1,907	2,115	2,180	2,321	2,503	2,685	2,690	2,744	2,771
Alabama	875	966	1,058	1,004	1,255	1,255	1,353	1,457	1,508	1,636	1,803	2,122	2,310
Alaska	2,176	2,585	2,858	2,875	3,392	3,368	3,533	3,632	3,563	3,746	3,914	3,676	3,784
Arizona	845	947	1,333	1,063	1,457	1,963	1,776	1,807	1,901	2,504	2,137	2,287	2,300
Arkansas	824	985	1,052	1,069	1,466	1,506	1,686	1,723	1,794	1,898	2,137	2,451	2,495
California	1,257	1,374	1,509	1,537	1,977	2,192	2,281	2,391	2,627	2,749	2,716	2,736	2,769
Colorado	1,161	1,308	1,483	1,371	2,011	2,171	2,223	2,335	2,441	2,601	2,661	2,852	2,719
Connecticut	1,460	1,454	1,812	1,970	2,421	2,803	3,287	3,814	4,098	4,351	4,521	4,740	4,919
Delaware	1,636	1,660	1,470	1,902	2,308	3,116	3,170	3,497	3,656	3,598	3,531	3,609	4,167
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	1,080	1,233	1,561	1,442	1,894	1,969	2,087	2,261	2,458	2,590	2,586	2,674	2,761
Georgia	926	1,059	1,154	1,137	1,435	1,890	2,063	2,139	2,386	2,572	2,487	2,793	2,732
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	917	1,013	1,095	1,153	1,224	1,278	1,515	1,550	1,637	1,812	1,894	2,053	2,149
Illinois	1,309	1,463	1,514	1,595	1,832	1,972	2,101	2,237	2,342	2,536	2,671	2,848	2,930
Indiana	1,032	1,174	1,199	1,197	1,525	1,601	1,854	2,279	2,290	2,580	2,647	2,922	3,040
Iowa	1,490	1,465	1,554	1,502	1,855	1,947	2,179	2,321	2,403	2,673	2,878	2,962	3,032
Kansas	1,223	1,413	1,505	1,614	2,054	2,202	2,336	2,719	2,336	2,439	2,640	2,937	2,972
Kentucky	930	1,012	1,061	1,163	1,457	1,636	1,819	1,903	1,737	2,055	2,018	2,443	2,583
Louisiana	967	985	1,328	1,160	1,315	1,282	1,403	1,702	2,059	2,129	2,420	2,324	2,444
Maine	1,002	1,078	1,164	1,321	1,744	2,002	2,284	2,509	2,780	3,038	3,085	3,670	3,636
Maryland	1,341	1,490	1,613	1,708	1,971	2,104	2,188	2,429	2,612	2,964	2,841	3,463	3,447
Massachusetts	1,527	1,700	1,684	1,777	2,340	2,552	2,546	2,760	2,912	2,995	3,086	3,606	3,955
Michigan	1,272	1,362	1,517	1,477	1,849	1,870	2,005	2,175	2,295	2,447	2,725	3,196	3,463
Minnesota	1,315	1,339	1,516	1,581	1,994	2,566	2,739	2,811	2,859	2,981	3,085	3,315	3,313
Mississippi	837	929	980	850	1,324	1,363	1,489	1,624	1,781	1,840	1,879	1,970	2,117
Missouri	1,084	1,214	1,255	1,353	1,688	1,820	1,846	2,009	2,142	2,240	2,387	2,387	2,550
Montana	1,264	1,449	1,962	1,652	2,058	2,262	2,154	2,291	2,465	2,454	2,396	2,645	2,772
Nebraska	1,144	1,294	1,401	1,526	1,737	1,811	1,877	2,050	2,663	2,797	3,250	3,221	3,285
Nevada	1,128	1,184	1,470	1,438	1,821	1,873	1,983	2,054	2,227	2,473	2,609	2,673	2,671
New Hampshire	1,014	1,103	1,183	1,371	1,794	2,095	2,297	2,596	2,923	3,163	3,226	3,292	3,401
New Jersey	1,592	1,839	1,887	2,146	2,876	2,927	3,157	3,516	3,575	3,761	4,940	5,358	5,004
New Mexico	1,216	1,358	1,532	1,561	1,337	1,709	1,853	2,146	2,325	2,485	2,209	2,122	2,095
New York	1,774	1,795	1,995	2,190	3,118	3,400	3,681	4,147	4,539	5,246	4,653	5,102	5,238
North Carolina	975	982	1,176	1,016	1,757	1,914	2,082	2,249	2,472	2,622	2,580	2,703	2,757
North Dakota	1,140	1,331	1,543	1,615	2,020	1,845	1,846	1,984	2,123	2,049	2,442	2,419	2,490
Ohio	1,020	1,314	1,436	1,549	2,045	1,890	1,994	2,146	2,277	2,437	2,682	2,828	2,910
Oklahoma	978	1,117	1,268	1,430	1,701	1,883	1,897	1,995	1,812	2,022	2,116	2,317	2,390
Oregon	1,324	1,611	1,718	1,930	2,200	2,194	2,331	2,419	2,746	2,881	3,027	3,160	3,145
Pennsylvania	1,109	1,266	1,312	1,420	1,982	2,132	2,412	2,635	2,826	3,054	3,371	3,773	3,505
Rhode Island	1,475	1,681	1,865	2,191	2,114	2,273	2,498	2,704	3,630	3,809	3,916	4,178	4,364
South Carolina	912	1,053	1,161	1,008	1,467	1,518	1,933	2,027	2,292	2,333	2,398	2,483	2,537
South Dakota	1,020	1,118	1,255	1,316	1,683	1,718	1,747	1,776	1,936	2,011	2,395	2,432	2,603
Tennessee	872	963	990	1,097	1,391	1,560	1,665	1,944	2,128	2,011	2,004	2,267	2,390
Texas	1,117	1,247	1,408	1,298	1,660	1,558	1,738	1,896	2,132	2,170	2,254	2,493	2,687
Utah	898	1,031	1,014	1,184	1,447	1,450	1,484	1,534	1,624	1,722	1,787	1,844	2,094
Vermont	1,101	1,279	1,359	1,552	1,845	2,047	2,362	2,628	3,021	3,338	3,622	3,820	3,895
Virginia	1,048	1,157	1,255	1,381	1,871	2,475	2,704	2,892	2,688	2,854	2,741	2,885	2,942
Washington	1,323	1,556	1,553	1,582	1,747	2,028	2,130	2,248	2,488	2,768	2,944	3,077	3,122
West Virginia	1,056	1,192	1,378	1,480	1,829	1,625	1,842	1,905	2,003	2,263	2,598	3,209	3,375
Wisconsin	1,359	1,677	1,848	1,742	2,554	2,754	3,062	3,007	3,252	3,516	3,556	3,682	3,793
Wyoming	1,425	1,537	1,896	2,198	2,688	2,851	2,629	2,698	2,861	3,033	3,207	3,193	3,266

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.4.—Means of instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,226	1,368	1,490	1,540	1,985	2,114	2,305	2,495	2,651	2,849	2,930	3,123	3,209
Northeast	1,500	1,635	1,749	1,947	2,638	2,852	3,156	3,517	3,747	4,090	4,307	4,590	4,660
Midwest	1,234	1,398	1,504	1,541	1,953	2,036	2,196	2,360	2,493	2,666	2,844	3,079	3,196
South	1,050	1,169	1,312	1,291	1,682	1,782	1,985	2,151	2,274	2,411	2,439	2,655	2,766
West	1,246	1,393	1,532	1,552	1,937	2,141	2,227	2,350	2,569	2,745	2,734	2,792	2,805
Alabama	878	966	1,057	1,015	1,282	1,268	1,444	1,487	1,532	1,680	1,846	2,150	2,325
Alaska	2,619	3,171	3,220	3,522	4,173	3,952	4,064	4,149	4,324	4,305	4,246	4,085	4,151
Arizona	890	1,014	1,389	1,110	1,516	1,993	1,860	1,894	1,960	2,536	2,193	2,325	2,326
Arkansas	849	1,021	1,079	1,103	1,508	1,519	1,660	1,760	1,817	1,925	2,180	2,466	2,565
California	1,272	1,387	1,524	1,546	2,004	2,230	2,332	2,473	2,752	2,866	2,823	2,841	2,821
Colorado	1,231	1,378	1,511	1,407	2,049	2,245	2,324	2,359	2,477	2,640	2,709	2,812	2,788
Connecticut	1,467	1,508	1,871	2,078	2,495	2,852	3,314	3,781	4,158	4,430	4,625	4,880	5,070
Delaware	1,422	1,495	1,473	1,765	2,094	2,836	3,052	3,309	3,541	3,584	3,605	3,782	3,988
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	1,118	1,250	1,612	1,465	1,938	2,014	2,161	2,353	2,534	2,706	2,678	2,693	2,802
Georgia	968	1,127	1,196	1,140	1,499	1,947	2,145	2,230	2,452	2,656	2,576	2,826	2,826
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	938	1,038	1,116	1,199	1,271	1,346	1,552	1,608	1,707	1,885	1,981	2,158	2,276
Illinois	1,337	1,436	1,481	1,576	1,851	1,970	2,088	2,212	2,370	2,573	2,729	2,973	3,024
Indiana	1,036	1,171	1,210	1,193	1,497	1,606	1,857	2,253	2,355	2,627	2,692	2,975	3,082
Iowa	1,502	1,482	1,574	1,503	1,863	1,968	2,179	2,317	2,433	2,699	2,878	3,016	3,046
Kansas	1,218	1,392	1,531	1,676	2,119	2,179	2,441	2,791	2,384	2,463	2,667	2,902	2,996
Kentucky	990	1,092	1,126	1,254	1,538	1,717	1,961	2,071	1,822	2,156	2,119	2,543	2,674
Louisiana	971	967	1,296	1,133	1,267	1,249	1,391	1,720	2,085	2,108	2,419	2,386	2,445
Maine	1,012	1,106	1,207	1,316	1,822	2,065	2,347	2,637	2,908	3,125	3,213	3,796	3,741
Maryland	1,395	1,527	1,673	1,825	2,093	2,217	2,376	2,602	2,847	3,111	3,039	3,683	3,641
Massachusetts	1,593	1,775	1,745	1,898	2,482	2,690	2,750	2,966	3,116	3,196	3,236	3,724	4,025
Michigan	1,277	1,393	1,533	1,467	1,848	1,897	2,079	2,243	2,392	2,536	2,787	3,272	3,521
Minnesota	1,365	1,376	1,634	1,610	2,026	2,616	2,720	2,873	2,901	3,051	3,162	3,391	3,448
Mississippi	847	935	984	856	1,281	1,379	1,514	1,676	1,806	1,849	1,908	1,980	2,133
Missouri	1,146	1,271	1,309	1,392	1,810	1,962	2,036	2,191	2,330	2,436	2,519	2,556	2,797
Montana	1,376	1,465	2,152	1,765	2,318	2,449	2,267	2,387	2,601	2,506	2,641	2,800	3,087
Nebraska	1,155	1,297	1,432	1,561	1,736	1,816	1,910	2,038	2,684	2,835	3,186	3,356	3,515
Nevada	1,143	1,218	1,493	1,511	1,927	1,936	2,047	2,135	2,306	2,544	2,703	2,746	2,775
New Hampshire	980	1,146	1,251	1,406	1,901	2,139	2,349	2,655	2,953	3,235	3,323	3,422	3,551
New Jersey	1,599	1,837	1,942	2,156	2,892	2,959	3,230	3,594	3,586	3,853	5,098	5,399	5,127
New Mexico	1,202	1,311	1,563	1,652	1,321	1,704	1,833	2,119	2,350	2,463	2,213	2,140	2,170
New York	1,749	1,816	2,000	2,207	3,152	3,446	3,829	4,332	4,617	5,162	4,973	5,265	5,468
North Carolina	988	992	1,192	1,038	1,789	1,931	2,100	2,276	2,516	2,657	2,623	2,731	2,793
North Dakota	1,152	1,299	1,581	1,568	2,083	1,902	1,932	2,035	2,163	2,148	2,558	2,524	2,585
Ohio	1,065	1,393	1,512	1,647	2,159	2,012	2,081	2,247	2,423	2,558	2,800	2,970	3,036
Oklahoma	997	1,124	1,278	1,431	1,721	1,931	1,926	2,051	1,857	1,993	2,128	2,290	2,392
Oregon	1,316	1,581	1,710	1,900	2,213	2,199	2,333	2,432	2,760	2,900	3,075	3,240	3,211
Pennsylvania	1,163	1,312	1,316	1,536	2,041	2,205	2,498	2,731	2,940	3,172	3,495	3,876	3,709
Rhode Island	1,499	1,712	1,867	2,211	2,128	2,275	2,463	2,662	3,753	3,896	3,939	4,243	4,442
South Carolina	938	1,065	1,162	1,022	1,486	1,531	1,943	2,052	2,305	2,387	2,439	2,505	2,579
South Dakota	1,045	1,147	1,270	1,339	1,694	1,753	1,785	1,832	1,972	2,039	2,486	2,481	2,625
Tennessee	936	1,033	1,047	1,141	1,472	1,626	1,795	2,059	2,196	2,069	2,094	2,331	2,451
Texas	1,136	1,274	1,423	1,328	1,698	1,609	1,802	1,957	2,184	2,230	2,298	2,524	2,728
Utah	921	1,064	1,026	1,192	1,447	1,487	1,498	1,568	1,664	1,788	1,843	1,908	2,122
Vermont	1,125	1,294	1,441	1,658	1,986	2,076	2,541	2,748	3,115	3,416	3,748	3,919	4,008
Virginia	1,115	1,249	1,365	1,492	1,928	2,606	2,883	3,122	2,827	3,010	2,899	2,989	3,100
Washington	1,377	1,619	1,595	1,625	1,813	2,078	2,192	2,327	2,553	2,815	2,976	3,100	3,166
West Virginia	1,073	1,201	1,368	1,447	1,871	1,646	1,838	1,904	2,026	2,291	2,608	3,245	3,375
Wisconsin	1,403	1,738	1,920	1,801	2,565	2,791	3,101	3,054	3,287	3,527	3,579	3,736	3,843
Wyoming	1,465	1,671	1,950	2,246	2,852	2,957	2,855	2,903	3,086	3,223	3,370	3,330	3,415

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.5.—Ninety-fifth percentiles of instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1,774	2,000	2,143	2,298	3,118	3,400	3,681	4,147	4,478	4,831	4,686	5,102	5,238
Northeast	2,200	2,381	2,526	2,824	3,928	4,166	4,786	5,390	5,618	6,201	6,395	6,578	6,756
Midwest	1,685	1,965	2,143	2,194	2,755	2,989	3,219	3,355	3,520	3,803	3,973	4,210	4,390
South	1,426	1,607	1,825	1,855	2,288	2,617	2,857	3,076	3,169	3,332	3,233	3,560	3,627
West	1,673	1,864	1,978	2,047	2,510	2,659	2,895	3,195	3,615	3,726	3,573	3,514	3,445
Alabama	1,053	1,097	1,224	1,150	1,479	1,486	1,860	1,828	1,901	2,053	2,217	2,601	2,789
Alaska	5,541	5,223	5,051	6,329	7,089	7,012	8,053	7,914	8,402	8,138	7,724	7,716	7,504
Arizona	1,281	1,464	1,786	1,358	1,795	2,303	2,370	2,543	2,618	3,569	2,716	2,997	3,054
Arkansas	1,200	1,339	1,419	1,443	1,815	1,877	1,828	2,224	2,330	2,585	2,861	3,153	3,377
California	1,531	1,729	1,790	1,785	2,303	2,519	2,895	3,195	3,615	3,726	3,573	3,514	3,143
Colorado	1,782	1,926	2,119	1,894	2,803	2,739	2,769	2,765	2,794	3,065	3,176	3,287	3,331
Connecticut	1,874	2,042	2,560	2,879	3,354	3,637	4,214	4,548	5,046	5,566	5,647	6,004	6,230
Delaware	1,636	1,660	1,663	2,160	2,376	3,203	3,451	3,624	3,882	3,876	3,963	4,018	4,272
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	1,334	1,418	1,830	1,745	2,288	2,366	2,529	2,788	3,014	3,250	3,221	3,178	3,336
Georgia	1,278	1,479	1,640	1,444	1,925	2,617	2,761	2,882	3,352	3,514	3,499	3,766	3,946
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	1,164	1,245	1,456	1,494	1,636	1,733	1,985	2,106	2,139	2,420	2,526	2,792	2,857
Illinois	1,716	1,989	2,072	2,276	2,717	2,862	3,144	3,370	3,633	3,925	4,266	4,654	4,732
Indiana	1,279	1,412	1,470	1,449	1,776	2,027	2,245	2,822	2,945	3,233	3,281	3,695	3,663
Iowa	1,721	1,683	1,812	1,715	2,105	2,235	2,479	2,770	2,833	3,072	3,287	3,514	3,460
Kansas	1,499	1,697	1,910	2,113	2,713	2,645	3,021	3,506	3,060	3,073	3,308	3,714	3,809
Kentucky	1,319	1,440	1,451	1,604	1,901	2,189	2,455	2,662	2,442	2,617	2,621	3,113	3,270
Louisiana	1,109	1,062	1,528	1,292	1,416	1,417	1,612	1,933	2,439	2,380	2,867	2,752	2,853
Maine	1,305	1,465	1,530	1,752	2,329	2,610	3,133	3,313	3,546	3,861	3,972	4,831	4,615
Maryland	1,792	2,005	2,215	2,635	2,894	2,993	3,288	3,452	3,948	4,175	4,056	4,784	4,685
Massachusetts	2,251	2,471	2,359	2,815	3,489	4,035	4,094	4,573	4,760	4,527	4,470	5,320	5,390
Michigan	1,629	1,807	2,122	2,004	2,448	2,533	2,889	3,036	3,479	3,633	3,736	4,375	4,566
Minnesota	1,744	1,906	2,332	2,041	2,425	3,170	3,239	3,427	3,384	3,692	3,956	4,381	4,497
Mississippi	999	1,092	1,143	1,011	1,539	1,596	1,739	1,899	2,090	2,116	2,218	2,254	2,443
Missouri	1,470	1,546	1,595	1,750	2,513	2,682	2,745	3,036	3,213	3,803	3,997	3,788	4,130
Montana	1,967	1,806	3,395	2,729	3,140	3,902	3,235	3,625	3,741	3,329	3,947	3,896	4,729
Nebraska	1,510	1,753	1,962	2,176	2,357	2,562	2,572	2,787	3,528	3,701	4,250	4,449	4,674
Nevada	1,242	1,327	1,714	1,636	2,236	2,087	2,290	2,327	2,601	2,778	3,028	3,029	3,156
New Hampshire	1,227	1,429	1,573	1,715	2,637	2,780	2,952	3,457	3,742	4,267	4,798	4,796	4,927
New Jersey	2,080	2,404	2,479	2,753	3,847	3,777	4,085	4,693	4,607	4,963	6,476	6,767	6,204
New Mexico	1,391	1,517	1,847	1,889	1,406	2,066	1,951	2,311	2,825	3,398	2,752	2,435	2,374
New York	2,413	2,527	2,813	3,167	4,478	4,795	5,382	6,113	6,478	7,061	7,063	7,224	7,493
North Carolina	1,148	1,140	1,360	1,207	2,025	2,177	2,375	2,602	2,849	3,029	2,953	3,073	3,166
North Dakota	1,406	1,559	1,932	1,903	2,571	2,379	2,591	2,659	2,772	2,807	3,290	3,192	3,218
Ohio	1,550	2,007	2,130	2,203	2,990	2,771	2,679	2,901	3,388	3,593	3,649	3,921	3,885
Oklahoma	1,254	1,293	1,581	1,659	2,010	2,385	2,163	2,329	2,293	2,210	2,668	2,594	2,648
Oregon	1,487	1,766	1,951	2,155	2,526	2,521	2,692	2,946	3,337	3,375	3,577	3,713	3,799
Pennsylvania	1,528	1,859	1,751	2,214	2,775	2,946	3,488	3,968	4,096	4,296	4,674	5,082	5,015
Rhode Island	1,779	2,047	2,261	2,576	2,770	2,876	3,064	3,221	4,342	4,502	4,524	4,818	5,058
South Carolina	1,155	1,312	1,372	1,172	1,735	1,722	2,220	2,271	2,590	2,754	2,814	2,802	2,955
South Dakota	1,285	1,370	1,603	1,647	2,150	2,325	2,170	2,205	2,560	2,462	3,237	3,023	3,119
Tennessee	1,266	1,500	1,391	1,495	1,918	2,172	2,462	2,854	2,870	2,606	2,584	2,790	2,949
Texas	1,418	1,624	1,847	1,742	2,058	1,979	2,202	2,347	2,668	2,687	2,703	3,030	3,202
Utah	1,118	1,269	1,327	1,450	1,762	1,819	1,768	1,868	1,899	2,063	2,132	2,193	2,436
Vermont	1,526	1,682	1,996	2,670	2,980	3,598	3,909	3,956	4,311	4,721	5,657	5,585	5,686
Virginia	1,426	1,607	1,820	1,981	2,649	3,363	3,867	4,047	3,526	3,787	3,695	3,907	3,832
Washington	1,842	2,082	2,075	2,047	2,234	2,520	2,746	2,878	3,008	3,189	3,343	3,528	3,717
West Virginia	1,244	1,367	1,574	1,621	2,218	1,865	2,164	2,105	2,398	2,677	2,922	3,556	3,693
Wisconsin	1,880	2,530	2,530	2,266	3,086	3,357	3,962	3,582	3,878	4,475	4,279	4,568	4,653
Wyoming	1,844	2,063	2,478	2,896	3,514	3,909	3,580	3,909	4,206	4,401	4,340	4,190	4,358

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.6.—Fifth percentiles of instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	808	916	987	980	1,268	1,322	1,473	1,593	1,657	1,788	1,872	2,055	2,159
Northeast	914	1,025	1,080	1,173	1,642	1,782	1,991	2,183	2,350	2,508	2,679	2,967	3,077
Midwest	832	993	1,038	1,076	1,342	1,406	1,552	1,661	1,767	1,858	2,014	2,100	2,209
South	768	856	929	920	1,194	1,214	1,335	1,500	1,566	1,692	1,784	2,004	2,138
West	837	958	1,042	1,085	1,321	1,450	1,488	1,541	1,646	1,788	1,854	1,932	2,059
Alabama	752	822	912	905	1,154	1,141	1,189	1,309	1,360	1,482	1,592	1,899	2,021
Alaska	1,972	2,521	2,758	2,697	3,359	3,059	3,134	3,123	3,206	3,377	3,457	3,161	3,229
Arizona	666	802	1,124	943	1,292	1,689	1,532	1,536	1,562	2,017	1,856	1,933	1,974
Arkansas	677	819	867	898	1,308	1,317	1,446	1,509	1,546	1,595	1,893	2,142	2,206
California	1,028	1,124	1,239	1,284	1,710	1,917	1,912	2,010	2,242	2,338	2,302	2,385	2,478
Colorado	952	1,105	1,209	1,138	1,609	1,789	1,872	2,027	2,106	2,171	2,331	2,383	2,428
Connecticut	1,111	1,124	1,398	1,522	1,854	2,208	2,687	3,075	3,407	3,581	3,732	3,973	4,119
Delaware	1,037	1,132	1,158	1,324	1,635	2,244	2,432	2,648	2,649	2,916	3,023	3,128	3,290
Dist. of Columbia	1,571	1,624	1,756	2,127	2,906	2,976	3,883	3,079	3,312	3,332	3,499	4,192	4,351
Florida	937	1,080	1,347	1,260	1,604	1,746	1,877	2,044	2,168	2,331	2,249	2,311	2,414
Georgia	764	883	963	932	1,194	1,483	1,741	1,792	2,008	2,129	2,096	2,286	2,288
Hawaii	1,342	1,451	1,547	1,714	1,868	1,905	2,054	2,487	2,477	2,744	3,068	3,272	3,395
Idaho	759	853	930	979	977	1,096	1,263	1,345	1,430	1,603	1,669	1,824	1,890
Illinois	931	1,038	1,051	1,106	1,286	1,386	1,453	1,519	1,592	1,709	1,807	1,907	2,029
Indiana	781	893	927	886	1,151	1,267	1,476	1,780	1,918	2,126	2,183	2,384	2,482
Iowa	1,288	1,280	1,365	1,299	1,617	1,685	1,884	1,980	2,094	2,333	2,497	2,602	2,689
Kansas	972	1,115	1,275	1,370	1,730	1,691	1,989	2,232	1,903	1,918	2,065	2,249	2,317
Kentucky	798	852	903	969	1,225	1,365	1,588	1,641	1,510	1,804	1,771	2,119	2,240
Louisiana	766	732	1,084	901	969	979	1,078	1,426	1,632	1,709	1,995	1,967	2,007
Maine	769	888	946	991	1,478	1,669	1,896	2,165	2,350	2,568	2,584	3,069	3,039
Maryland	1,120	1,241	1,396	1,463	1,721	1,850	2,016	2,211	2,442	2,627	2,658	3,252	3,312
Massachusetts	1,180	1,305	1,336	1,365	1,845	1,987	1,978	2,115	2,230	2,272	2,214	2,493	3,067
Michigan	949	1,030	1,096	1,119	1,398	1,377	1,605	1,743	1,825	1,903	2,190	2,554	2,797
Minnesota	1,085	1,064	1,099	1,247	1,620	2,122	2,235	2,351	2,418	2,489	2,614	2,765	2,888
Mississippi	704	787	792	724	986	1,139	1,274	1,446	1,561	1,574	1,635	1,672	1,838
Missouri	833	957	962	1,014	1,315	1,431	1,466	1,556	1,655	1,730	1,831	1,852	1,992
Montana	911	1,150	1,236	1,323	1,694	1,626	1,804	1,672	1,820	1,872	1,916	2,096	2,182
Nebraska	905	1,017	1,098	1,206	1,350	1,374	1,479	1,646	2,111	2,264	2,532	2,736	2,881
Nevada	1,100	1,144	1,373	1,438	1,821	1,873	1,983	2,054	2,227	2,459	2,609	2,673	2,671
New Hampshire	624	876	943	1,057	1,382	1,669	1,813	2,073	2,231	2,372	2,352	2,471	2,764
New Jersey	1,191	1,315	1,427	1,582	2,017	2,109	2,348	2,557	2,590	2,759	3,795	4,120	4,119
New Mexico	1,043	999	925	1,406	1,161	1,505	1,525	1,771	2,051	1,970	1,880	1,884	1,916
New York	1,270	1,353	1,495	1,650	2,323	2,622	2,937	3,318	3,505	3,833	3,933	4,115	4,354
North Carolina	866	862	1,062	917	1,615	1,718	1,854	1,987	2,198	2,364	2,316	2,440	2,515
North Dakota	924	1,037	1,273	1,241	1,673	1,580	1,531	1,656	1,721	1,720	2,033	1,974	2,066
Ohio	744	993	1,081	1,198	1,624	1,514	1,588	1,690	1,799	1,897	2,095	2,199	2,303
Oklahoma	789	922	1,038	1,216	1,454	1,597	1,676	1,823	1,558	1,748	1,755	1,935	2,056
Oregon	1,088	1,367	1,406	1,608	1,879	1,857	2,013	2,005	2,186	2,415	2,536	2,728	2,820
Pennsylvania	860	944	1,001	1,080	1,547	1,656	1,889	2,051	2,205	2,390	2,682	2,965	2,913
Rhode Island	1,257	1,445	1,546	1,817	1,770	1,924	2,032	2,249	3,325	3,359	3,476	3,842	4,056
South Carolina	787	879	1,005	893	1,330	1,347	1,704	1,755	1,944	2,028	2,077	2,134	2,236
South Dakota	839	958	1,045	1,120	1,429	1,465	1,475	1,489	1,602	1,683	2,054	2,122	2,192
Tennessee	700	777	795	877	1,127	1,232	1,363	1,568	1,722	1,540	1,597	1,840	1,935
Texas	867	948	1,067	1,021	1,376	1,336	1,496	1,621	1,840	1,884	1,935	2,140	2,285
Utah	807	900	842	1,059	1,268	1,323	1,357	1,411	1,515	1,625	1,705	1,733	1,876
Vermont	727	864	784	1,053	1,338	865	1,372	1,880	2,235	2,474	2,696	2,744	2,831
Virginia	869	978	1,064	1,152	1,520	1,993	2,283	2,479	2,285	2,504	2,362	2,443	2,576
Washington	1,109	1,272	1,293	1,321	1,526	1,744	1,842	1,996	2,247	2,512	2,673	2,763	2,849
West Virginia	920	1,030	1,177	1,252	1,638	1,438	1,636	1,685	1,781	2,059	2,395	2,900	3,061
Wisconsin	1,120	1,307	1,493	1,420	2,064	2,235	2,403	2,448	2,665	2,874	2,913	3,008	3,116
Wyoming	1,209	1,391	1,633	1,777	2,411	2,453	2,346	2,533	2,711	2,738	2,900	2,950	2,970

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.7.—Standard deviations for instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	340	366	403	485	600	661	732	814	852	939	960	977	986
Northeast	395	434	468	662	739	781	880	1,012	1,055	1,210	1,185	1,122	1,135
Midwest	295	317	408	353	470	528	579	598	634	666	626	692	755
South	216	242	281	308	347	446	493	507	486	511	476	493	478
West	319	330	350	384	469	453	482	507	596	548	560	533	506
Alabama	93	92	116	91	103	116	236	157	163	166	193	224	243
Alaska	1,203	1,099	932	1,377	1,416	1,355	1,632	1,641	1,637	1,519	1,277	1,404	1,359
Arizona	220	190	244	167	202	249	347	301	331	450	298	333	330
Arkansas	137	159	162	162	159	166	155	212	219	275	249	278	318
California	174	189	216	177	219	237	317	370	487	442	452	398	286
Colorado	242	249	279	224	351	356	315	252	268	275	298	283	271
Connecticut	260	268	338	377	419	396	449	490	551	623	616	668	684
Delaware	258	283	280	309	304	402	422	436	579	419	408	504	448
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	126	122	163	153	215	203	214	243	283	331	324	296	295
Georgia	156	190	188	162	218	349	329	348	381	416	396	421	419
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	135	128	169	173	236	231	272	278	287	290	293	329	356
Illinois	274	285	356	349	436	450	510	573	641	707	753	855	825
Indiana	196	185	194	198	225	260	273	339	346	402	383	456	470
Iowa	148	137	136	134	169	189	205	240	240	256	271	316	265
Kansas	170	196	218	243	313	336	360	398	377	385	422	441	516
Kentucky	180	206	186	230	252	292	337	371	286	273	286	344	379
Louisiana	115	97	137	128	147	147	173	187	253	238	306	262	248
Maine	166	184	233	228	327	370	402	488	522	544	576	646	646
Maryland	198	231	269	378	377	373	403	407	492	485	444	495	461
Massachusetts	327	533	363	431	549	593	679	754	799	782	815	947	780
Michigan	225	265	317	272	338	364	397	439	485	523	496	579	569
Minnesota	385	248	746	278	271	358	346	374	370	472	445	519	588
Mississippi	105	109	115	88	169	155	149	205	170	163	196	235	210
Missouri	378	447	523	499	636	830	946	1,073	1,179	1,092	593	604	1,328
Montana	659	199	787	453	702	855	444	567	683	540	792	707	924
Nebraska	212	251	268	293	328	383	358	372	479	502	565	602	593
Nevada	55	74	127	122	207	156	167	194	232	236	245	241	268
New Hampshire	167	324	355	401	523	513	559	436	485	561	669	656	667
New Jersey	313	357	456	478	628	586	655	714	699	898	1,105	838	729
New Mexico	114	130	279	207	87	182	163	255	304	432	298	244	232
New York	353	368	403	455	671	696	806	902	958	1,010	1,048	996	975
North Carolina	90	83	97	84	135	152	171	198	227	225	534	216	214
North Dakota	164	177	278	234	400	419	359	354	377	420	471	492	500
Ohio	249	321	336	369	464	422	387	443	507	533	658	701	568
Oklahoma	181	141	212	169	208	285	208	216	284	194	319	238	257
Oregon	353	144	198	201	206	255	219	268	365	343	412	374	388
Pennsylvania	244	276	241	918	378	418	491	540	584	617	625	694	683
Rhode Island	174	215	220	251	308	308	355	356	356	355	307	354	410
South Carolina	186	123	118	93	123	120	180	185	234	257	261	229	248
South Dakota	169	141	191	159	263	308	356	304	337	310	482	390	376
Tennessee	182	217	195	211	266	299	342	387	373	359	344	346	327
Texas	199	236	260	236	254	241	256	275	338	302	292	294	327
Utah	99	121	143	106	134	163	151	167	156	181	180	197	206
Vermont	278	289	420	482	505	960	825	693	671	704	858	900	903
Virginia	240	262	285	307	366	497	570	636	495	514	492	455	476
Washington	216	242	230	228	253	281	294	292	293	296	292	307	300
West Virginia	99	108	122	134	161	133	153	133	167	189	147	195	190
Wisconsin	231	350	324	283	344	365	506	381	396	461	429	469	468
Wyoming	206	229	321	388	481	638	517	524	552	579	609	543	525

* One district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.8.—Coefficient of variation for instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.277	0.267	0.270	0.315	0.302	0.313	0.318	0.326	0.322	0.330	0.328	0.313	0.307
Northeast	0.264	0.265	0.268	0.340	0.280	0.274	0.279	0.288	0.282	0.296	0.275	0.245	0.243
Midwest	0.239	0.227	0.271	0.229	0.241	0.260	0.263	0.254	0.255	0.250	0.220	0.225	0.236
South	0.205	0.207	0.214	0.238	0.206	0.250	0.248	0.236	0.214	0.212	0.195	0.186	0.173
West	0.256	0.237	0.229	0.248	0.242	0.212	0.217	0.216	0.232	0.200	0.205	0.191	0.180
Alabama	0.105	0.096	0.109	0.089	0.080	0.091	0.163	0.106	0.106	0.099	0.105	0.104	0.105
Alaska	0.459	0.347	0.289	0.391	0.339	0.343	0.402	0.395	0.379	0.353	0.301	0.344	0.327
Arizona	0.247	0.187	0.175	0.150	0.133	0.125	0.187	0.159	0.169	0.177	0.136	0.143	0.142
Arkansas	0.161	0.156	0.151	0.147	0.105	0.109	0.093	0.120	0.121	0.143	0.114	0.113	0.124
California	0.137	0.136	0.142	0.114	0.109	0.106	0.136	0.149	0.177	0.154	0.160	0.140	0.101
Colorado	0.196	0.180	0.185	0.159	0.171	0.159	0.136	0.107	0.108	0.104	0.110	0.101	0.097
Connecticut	0.177	0.178	0.181	0.182	0.168	0.139	0.135	0.130	0.133	0.141	0.133	0.137	0.135
Delaware	0.181	0.189	0.190	0.175	0.145	0.142	0.138	0.132	0.164	0.117	0.113	0.133	0.112
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	0.113	0.097	0.101	0.105	0.111	0.101	0.099	0.103	0.112	0.122	0.121	0.110	0.105
Georgia	0.162	0.168	0.157	0.142	0.145	0.179	0.153	0.156	0.155	0.157	0.154	0.149	0.148
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	0.144	0.123	0.151	0.144	0.186	0.172	0.175	0.173	0.168	0.154	0.148	0.152	0.157
Illinois	0.205	0.198	0.240	0.222	0.236	0.229	0.244	0.259	0.270	0.275	0.276	0.287	0.273
Indiana	0.190	0.158	0.160	0.166	0.151	0.162	0.147	0.150	0.147	0.153	0.142	0.153	0.153
Iowa	0.098	0.093	0.086	0.089	0.091	0.096	0.094	0.104	0.099	0.095	0.094	0.105	0.087
Kansas	0.140	0.141	0.143	0.145	0.148	0.154	0.147	0.143	0.158	0.156	0.158	0.152	0.172
Kentucky	0.182	0.189	0.166	0.184	0.164	0.170	0.172	0.179	0.157	0.127	0.135	0.135	0.142
Louisiana	0.119	0.101	0.105	0.113	0.116	0.118	0.124	0.109	0.121	0.113	0.127	0.110	0.101
Maine	0.164	0.166	0.193	0.173	0.179	0.179	0.171	0.185	0.180	0.174	0.179	0.170	0.173
Maryland	0.142	0.151	0.161	0.207	0.180	0.168	0.170	0.156	0.173	0.156	0.146	0.135	0.127
Massachusetts	0.205	0.300	0.208	0.227	0.221	0.220	0.247	0.254	0.256	0.245	0.252	0.254	0.194
Michigan	0.176	0.190	0.207	0.185	0.183	0.192	0.191	0.196	0.203	0.206	0.178	0.177	0.162
Minnesota	0.282	0.181	0.457	0.173	0.134	0.137	0.127	0.130	0.128	0.155	0.141	0.153	0.171
Mississippi	0.123	0.116	0.117	0.103	0.132	0.112	0.098	0.122	0.094	0.088	0.103	0.118	0.098
Missouri	0.330	0.352	0.399	0.359	0.351	0.423	0.464	0.490	0.506	0.448	0.236	0.236	0.475
Montana	0.479	0.136	0.366	0.256	0.303	0.349	0.196	0.238	0.263	0.215	0.300	0.252	0.299
Nebraska	0.184	0.194	0.187	0.188	0.189	0.211	0.188	0.183	0.179	0.177	0.177	0.180	0.169
Nevada	0.048	0.061	0.085	0.081	0.107	0.081	0.082	0.091	0.100	0.093	0.091	0.088	0.096
New Hampshire	0.171	0.283	0.284	0.285	0.275	0.240	0.238	0.164	0.164	0.174	0.201	0.192	0.188
New Jersey	0.196	0.194	0.235	0.222	0.217	0.198	0.203	0.199	0.195	0.233	0.217	0.155	0.142
New Mexico	0.095	0.099	0.178	0.125	0.066	0.107	0.089	0.120	0.129	0.176	0.135	0.114	0.107
New York	0.202	0.203	0.201	0.206	0.213	0.202	0.211	0.208	0.207	0.196	0.211	0.189	0.178
North Carolina	0.091	0.084	0.081	0.081	0.076	0.079	0.081	0.087	0.090	0.085	0.204	0.079	0.077
North Dakota	0.142	0.136	0.176	0.149	0.192	0.220	0.186	0.174	0.174	0.196	0.184	0.195	0.194
Ohio	0.234	0.231	0.223	0.224	0.215	0.210	0.186	0.197	0.209	0.209	0.235	0.236	0.187
Oklahoma	0.181	0.125	0.166	0.118	0.121	0.148	0.108	0.105	0.153	0.097	0.150	0.104	0.108
Oregon	0.268	0.091	0.116	0.106	0.093	0.116	0.094	0.110	0.132	0.118	0.134	0.116	0.121
Pennsylvania	0.210	0.211	0.183	0.598	0.185	0.189	0.196	0.198	0.198	0.194	0.179	0.179	0.184
Rhode Island	0.116	0.126	0.118	0.114	0.145	0.135	0.144	0.134	0.095	0.091	0.078	0.084	0.092
South Carolina	0.198	0.115	0.101	0.091	0.083	0.078	0.093	0.090	0.101	0.108	0.107	0.092	0.096
South Dakota	0.162	0.123	0.150	0.119	0.155	0.176	0.199	0.166	0.171	0.152	0.194	0.157	0.143
Tennessee	0.194	0.210	0.186	0.185	0.181	0.184	0.191	0.188	0.170	0.173	0.164	0.149	0.133
Texas	0.175	0.185	0.183	0.178	0.149	0.150	0.142	0.141	0.155	0.135	0.127	0.116	0.120
Utah	0.108	0.113	0.140	0.089	0.093	0.109	0.101	0.107	0.094	0.101	0.098	0.103	0.097
Vermont	0.247	0.224	0.291	0.290	0.255	0.462	0.325	0.252	0.215	0.206	0.229	0.230	0.225
Virginia	0.215	0.209	0.208	0.206	0.190	0.191	0.198	0.204	0.175	0.171	0.170	0.152	0.154
Washington	0.157	0.150	0.144	0.140	0.139	0.135	0.134	0.125	0.115	0.105	0.098	0.099	0.095
West Virginia	0.092	0.090	0.089	0.093	0.086	0.081	0.083	0.070	0.083	0.082	0.056	0.060	0.056
Wisconsin	0.165	0.201	0.169	0.157	0.134	0.131	0.163	0.125	0.121	0.131	0.120	0.125	0.122
Wyoming	0.141	0.137	0.165	0.173	0.169	0.216	0.181	0.180	0.179	0.180	0.181	0.163	0.154

* One district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.9.—Gini coefficient for instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.144	0.138	0.137	0.153	0.154	0.162	0.161	0.163	0.161	0.164	0.163	0.159	0.153
Northeast	0.143	0.136	0.142	0.155	0.150	0.148	0.148	0.155	0.152	0.161	0.145	0.132	0.133
Midwest	0.124	0.117	0.126	0.118	0.125	0.132	0.130	0.125	0.123	0.126	0.117	0.121	0.117
South	0.110	0.112	0.118	0.127	0.112	0.133	0.129	0.123	0.115	0.115	0.101	0.097	0.091
West	0.111	0.110	0.105	0.109	0.111	0.099	0.105	0.106	0.115	0.101	0.106	0.099	0.090
Alabama	0.059	0.053	0.060	0.047	0.043	0.049	0.090	0.054	0.055	0.052	0.056	0.056	0.057
Alaska	0.188	0.154	0.100	0.175	0.148	0.136	0.170	0.176	0.165	0.155	0.130	0.155	0.151
Arizona	0.098	0.091	0.084	0.076	0.071	0.063	0.094	0.082	0.081	0.087	0.063	0.066	0.064
Arkansas	0.086	0.086	0.080	0.079	0.057	0.056	0.051	0.065	0.063	0.075	0.059	0.059	0.065
California	0.076	0.074	0.071	0.061	0.059	0.056	0.074	0.080	0.087	0.084	0.083	0.072	0.049
Colorado	0.099	0.093	0.090	0.080	0.092	0.087	0.077	0.057	0.055	0.057	0.057	0.057	0.055
Connecticut	0.098	0.097	0.100	0.100	0.093	0.077	0.073	0.072	0.072	0.077	0.074	0.075	0.076
Delaware	0.093	0.095	0.090	0.097	0.077	0.075	0.075	0.069	0.077	0.061	0.053	0.060	0.057
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	0.063	0.055	0.057	0.058	0.063	0.055	0.054	0.057	0.061	0.068	0.067	0.061	0.059
Georgia	0.090	0.094	0.084	0.078	0.080	0.098	0.083	0.082	0.082	0.081	0.082	0.081	0.077
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	0.079	0.069	0.079	0.076	0.095	0.086	0.086	0.085	0.082	0.076	0.076	0.078	0.083
Illinois	0.113	0.101	0.106	0.113	0.124	0.119	0.124	0.129	0.135	0.141	0.142	0.151	0.140
Indiana	0.094	0.090	0.091	0.094	0.085	0.084	0.078	0.081	0.080	0.080	0.079	0.081	0.080
Iowa	0.055	0.052	0.049	0.050	0.051	0.053	0.052	0.055	0.055	0.051	0.051	0.057	0.046
Kansas	0.075	0.076	0.076	0.077	0.077	0.083	0.076	0.076	0.081	0.082	0.085	0.081	0.083
Kentucky	0.098	0.103	0.091	0.100	0.091	0.093	0.093	0.098	0.084	0.070	0.075	0.075	0.078
Louisiana	0.065	0.053	0.058	0.063	0.064	0.065	0.070	0.061	0.069	0.063	0.072	0.061	0.056
Maine	0.089	0.089	0.094	0.094	0.093	0.089	0.089	0.089	0.090	0.086	0.090	0.087	0.087
Maryland	0.077	0.081	0.087	0.109	0.092	0.088	0.084	0.082	0.084	0.078	0.068	0.066	0.060
Massachusetts	0.108	0.118	0.109	0.119	0.116	0.117	0.132	0.134	0.137	0.130	0.136	0.139	0.102
Michigan	0.099	0.106	0.116	0.100	0.097	0.101	0.099	0.099	0.104	0.105	0.094	0.091	0.085
Minnesota	0.092	0.099	0.142	0.091	0.074	0.076	0.071	0.072	0.070	0.076	0.077	0.081	0.079
Mississippi	0.070	0.066	0.065	0.058	0.072	0.060	0.055	0.060	0.053	0.050	0.057	0.063	0.055
Missouri	0.128	0.114	0.119	0.119	0.127	0.130	0.139	0.141	0.139	0.152	0.126	0.128	0.151
Montana	0.165	0.069	0.193	0.132	0.139	0.169	0.100	0.124	0.131	0.111	0.136	0.113	0.138
Nebraska	0.091	0.093	0.094	0.094	0.091	0.098	0.094	0.090	0.092	0.091	0.090	0.089	0.085
Nevada	0.018	0.025	0.025	0.035	0.040	0.025	0.026	0.029	0.029	0.026	0.029	0.023	0.030
New Hampshire	0.094	0.105	0.104	0.104	0.109	0.094	0.097	0.087	0.090	0.094	0.109	0.103	0.101
New Jersey	0.098	0.100	0.101	0.102	0.110	0.104	0.099	0.104	0.103	0.108	0.099	0.085	0.078
New Mexico	0.046	0.050	0.097	0.069	0.034	0.049	0.046	0.058	0.062	0.081	0.065	0.055	0.055
New York	0.102	0.099	0.099	0.100	0.103	0.097	0.100	0.100	0.101	0.099	0.096	0.090	0.088
North Carolina	0.051	0.047	0.046	0.045	0.042	0.043	0.045	0.048	0.049	0.045	0.051	0.042	0.042
North Dakota	0.075	0.068	0.082	0.080	0.082	0.081	0.086	0.085	0.085	0.092	0.089	0.092	0.089
Ohio	0.130	0.128	0.123	0.123	0.114	0.115	0.100	0.108	0.114	0.113	0.110	0.116	0.100
Oklahoma	0.088	0.068	0.081	0.062	0.064	0.071	0.055	0.054	0.068	0.052	0.072	0.051	0.047
Oregon	0.065	0.051	0.062	0.060	0.051	0.062	0.052	0.058	0.067	0.065	0.067	0.059	0.058
Pennsylvania	0.118	0.118	0.100	0.160	0.102	0.104	0.107	0.108	0.109	0.107	0.098	0.099	0.100
Rhode Island	0.064	0.071	0.066	0.062	0.076	0.069	0.077	0.072	0.050	0.048	0.040	0.040	0.047
South Carolina	0.074	0.064	0.055	0.047	0.043	0.043	0.050	0.047	0.050	0.055	0.053	0.049	0.052
South Dakota	0.079	0.067	0.077	0.065	0.076	0.079	0.076	0.068	0.077	0.060	0.086	0.071	0.063
Tennessee	0.108	0.115	0.104	0.102	0.099	0.102	0.105	0.103	0.094	0.097	0.091	0.083	0.074
Texas	0.093	0.096	0.096	0.091	0.074	0.074	0.071	0.068	0.072	0.064	0.061	0.057	0.059
Utah	0.056	0.054	0.062	0.046	0.043	0.049	0.047	0.050	0.042	0.043	0.043	0.044	0.049
Vermont	0.137	0.127	0.159	0.153	0.139	0.250	0.169	0.134	0.118	0.111	0.121	0.123	0.117
Virginia	0.111	0.108	0.108	0.108	0.101	0.103	0.104	0.105	0.092	0.089	0.089	0.079	0.081
Washington	0.085	0.081	0.077	0.075	0.070	0.067	0.065	0.061	0.053	0.047	0.043	0.046	0.044
West Virginia	0.052	0.051	0.050	0.051	0.046	0.045	0.046	0.038	0.044	0.042	0.029	0.031	0.031
Wisconsin	0.090	0.107	0.093	0.087	0.075	0.073	0.088	0.069	0.067	0.071	0.066	0.070	0.068
Wyoming	0.074	0.072	0.083	0.090	0.086	0.099	0.082	0.081	0.081	0.080	0.078	0.070	0.064

* One district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.10.—Thiel coefficient for instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.034	0.032	0.032	0.041	0.041	0.044	0.044	0.046	0.045	0.047	0.047	0.043	0.041
Northeast	0.034	0.032	0.034	0.046	0.037	0.036	0.036	0.039	0.037	0.041	0.035	0.029	0.029
Midwest	0.026	0.023	0.029	0.024	0.026	0.030	0.029	0.027	0.027	0.027	0.023	0.024	0.024
South	0.020	0.020	0.022	0.027	0.020	0.029	0.029	0.026	0.022	0.022	0.018	0.016	0.014
West	0.025	0.024	0.022	0.025	0.025	0.020	0.021	0.021	0.024	0.019	0.020	0.017	0.015
Alabama	0.005	0.005	0.006	0.004	0.003	0.004	0.013	0.005	0.005	0.005	0.005	0.005	0.005
Alaska	0.081	0.051	0.032	0.065	0.050	0.048	0.066	0.065	0.060	0.052	0.038	0.050	0.046
Arizona	0.021	0.016	0.014	0.010	0.009	0.008	0.016	0.012	0.013	0.014	0.008	0.009	0.009
Arkansas	0.012	0.012	0.011	0.010	0.005	0.006	0.004	0.007	0.007	0.010	0.006	0.006	0.007
California	0.009	0.009	0.009	0.006	0.006	0.005	0.009	0.011	0.014	0.011	0.012	0.009	0.005
Colorado	0.018	0.015	0.015	0.012	0.014	0.012	0.009	0.006	0.006	0.005	0.006	0.005	0.005
Connecticut	0.015	0.015	0.016	0.016	0.014	0.009	0.009	0.008	0.009	0.010	0.009	0.009	0.009
Delaware	0.017	0.018	0.017	0.016	0.011	0.010	0.010	0.009	0.012	0.007	0.006	0.008	0.006
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	0.006	0.005	0.005	0.005	0.006	0.005	0.005	0.005	0.006	0.007	0.007	0.006	0.005
Georgia	0.013	0.014	0.012	0.010	0.010	0.016	0.011	0.012	0.012	0.012	0.011	0.011	0.010
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	0.010	0.007	0.011	0.010	0.016	0.013	0.014	0.013	0.013	0.011	0.010	0.011	0.012
Illinois	0.021	0.019	0.022	0.023	0.026	0.024	0.027	0.030	0.033	0.035	0.035	0.038	0.034
Indiana	0.016	0.013	0.013	0.014	0.011	0.012	0.010	0.011	0.010	0.011	0.010	0.011	0.011
Iowa	0.005	0.004	0.004	0.004	0.004	0.005	0.004	0.005	0.005	0.004	0.004	0.005	0.004
Kansas	0.009	0.010	0.010	0.010	0.010	0.011	0.010	0.010	0.012	0.012	0.012	0.011	0.014
Kentucky	0.016	0.017	0.013	0.016	0.013	0.014	0.014	0.016	0.012	0.008	0.009	0.009	0.010
Louisiana	0.007	0.005	0.006	0.006	0.007	0.007	0.008	0.006	0.007	0.006	0.008	0.006	0.005
Maine	0.013	0.013	0.017	0.015	0.015	0.015	0.014	0.015	0.015	0.014	0.015	0.014	0.014
Maryland	0.010	0.011	0.012	0.020	0.015	0.013	0.013	0.012	0.014	0.011	0.010	0.009	0.008
Massachusetts	0.020	0.032	0.020	0.024	0.023	0.023	0.028	0.030	0.031	0.028	0.030	0.031	0.018
Michigan	0.015	0.018	0.021	0.016	0.016	0.018	0.017	0.018	0.019	0.020	0.015	0.015	0.012
Minnesota	0.023	0.016	0.054	0.014	0.009	0.009	0.008	0.008	0.008	0.010	0.010	0.011	0.012
Mississippi	0.008	0.007	0.007	0.005	0.009	0.006	0.005	0.007	0.004	0.004	0.005	0.007	0.005
Missouri	0.038	0.038	0.045	0.040	0.040	0.050	0.057	0.060	0.062	0.060	0.026	0.026	0.064
Montana	0.068	0.009	0.061	0.030	0.038	0.052	0.018	0.026	0.031	0.021	0.036	0.026	0.037
Nebraska	0.016	0.017	0.016	0.016	0.016	0.019	0.016	0.015	0.015	0.015	0.014	0.015	0.013
Nevada	0.001	0.002	0.003	0.003	0.005	0.003	0.003	0.004	0.004	0.004	0.004	0.003	0.004
New Hampshire	0.015	0.027	0.027	0.027	0.027	0.021	0.021	0.013	0.013	0.015	0.020	0.018	0.017
New Jersey	0.017	0.018	0.022	0.020	0.022	0.019	0.018	0.019	0.018	0.023	0.020	0.012	0.010
New Mexico	0.004	0.005	0.016	0.008	0.002	0.005	0.004	0.007	0.008	0.014	0.008	0.006	0.006
New York	0.019	0.018	0.018	0.019	0.020	0.018	0.020	0.019	0.019	0.018	0.020	0.016	0.015
North Carolina	0.004	0.003	0.003	0.003	0.003	0.003	0.003	0.004	0.004	0.003	0.012	0.003	0.003
North Dakota	0.010	0.009	0.013	0.011	0.016	0.018	0.015	0.014	0.014	0.017	0.015	0.017	0.016
Ohio	0.026	0.026	0.024	0.024	0.021	0.021	0.016	0.019	0.021	0.021	0.024	0.025	0.017
Oklahoma	0.015	0.008	0.013	0.007	0.007	0.010	0.006	0.005	0.010	0.005	0.010	0.005	0.005
Oregon	0.015	0.004	0.007	0.006	0.004	0.007	0.004	0.006	0.008	0.007	0.008	0.006	0.007
Pennsylvania	0.022	0.022	0.016	0.090	0.017	0.017	0.018	0.019	0.019	0.018	0.015	0.016	0.016
Rhode Island	0.007	0.008	0.007	0.006	0.010	0.009	0.010	0.009	0.004	0.004	0.003	0.003	0.004
South Carolina	0.015	0.007	0.005	0.004	0.003	0.003	0.004	0.004	0.005	0.006	0.005	0.004	0.005
South Dakota	0.012	0.007	0.011	0.007	0.011	0.013	0.016	0.012	0.013	0.010	0.016	0.011	0.009
Tennessee	0.018	0.021	0.017	0.016	0.016	0.016	0.018	0.017	0.014	0.015	0.013	0.011	0.009
Texas	0.014	0.016	0.016	0.015	0.010	0.010	0.009	0.009	0.010	0.008	0.007	0.006	0.007
Utah	0.006	0.006	0.009	0.004	0.004	0.006	0.005	0.005	0.004	0.005	0.004	0.005	0.004
Vermont	0.030	0.025	0.041	0.039	0.031	0.101	0.048	0.029	0.022	0.020	0.024	0.025	0.024
Virginia	0.021	0.020	0.020	0.020	0.017	0.018	0.019	0.019	0.014	0.014	0.014	0.011	0.011
Washington	0.012	0.011	0.010	0.009	0.009	0.008	0.008	0.007	0.006	0.005	0.004	0.004	0.004
West Virginia	0.004	0.004	0.004	0.004	0.004	0.003	0.003	0.002	0.003	0.003	0.002	0.002	0.002
Wisconsin	0.013	0.019	0.014	0.012	0.009	0.008	0.013	0.008	0.007	0.009	0.007	0.008	0.007
Wyoming	0.009	0.009	0.013	0.015	0.013	0.020	0.014	0.014	0.014	0.014	0.014	0.012	0.010

* One district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.11.—Federal range ratios for instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	1.197	1.183	1.171	1.345	1.460	1.572	1.498	1.603	1.702	1.701	1.503	1.483	1.426
Northeast	1.407	1.323	1.338	1.408	1.392	1.337	1.404	1.469	1.390	1.473	1.387	1.217	1.195
Midwest	1.024	0.978	1.065	1.038	1.052	1.126	1.074	1.020	0.992	1.047	0.972	1.004	0.988
South	0.856	0.878	0.964	1.017	0.916	1.155	1.141	1.051	1.023	0.970	0.813	0.777	0.697
West	0.998	0.947	0.898	0.888	0.901	0.834	0.945	1.074	1.196	1.085	0.927	0.818	0.673
Alabama	0.400	0.335	0.342	0.271	0.281	0.302	0.565	0.396	0.397	0.385	0.392	0.370	0.380
Alaska	1.810	1.072	0.832	1.347	1.110	1.292	1.570	1.534	1.621	1.410	1.234	1.441	1.324
Arizona	0.924	0.826	0.588	0.440	0.389	0.363	0.547	0.656	0.676	0.770	0.463	0.551	0.547
Arkansas	0.772	0.634	0.637	0.607	0.387	0.426	0.264	0.474	0.507	0.621	0.511	0.472	0.531
California	0.489	0.539	0.445	0.391	0.347	0.314	0.514	0.590	0.612	0.594	0.552	0.473	0.269
Colorado	0.872	0.743	0.752	0.664	0.741	0.531	0.479	0.364	0.327	0.412	0.362	0.379	0.372
Connecticut	0.687	0.816	0.832	0.891	0.809	0.648	0.568	0.479	0.481	0.554	0.513	0.511	0.513
Delaware	0.577	0.467	0.437	0.632	0.453	0.427	0.419	0.369	0.466	0.329	0.311	0.284	0.298
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	0.423	0.313	0.359	0.385	0.426	0.355	0.348	0.364	0.390	0.395	0.432	0.376	0.382
Georgia	0.673	0.675	0.704	0.549	0.612	0.765	0.586	0.608	0.669	0.650	0.669	0.647	0.724
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	0.533	0.460	0.565	0.526	0.674	0.582	0.571	0.565	0.495	0.510	0.514	0.530	0.512
Illinois	0.844	0.916	0.973	1.057	1.113	1.064	1.164	1.218	1.282	1.297	1.361	1.441	1.333
Indiana	0.637	0.582	0.587	0.635	0.543	0.600	0.520	0.585	0.535	0.521	0.503	0.550	0.476
Iowa	0.336	0.315	0.327	0.320	0.302	0.327	0.316	0.399	0.353	0.316	0.316	0.350	0.287
Kansas	0.542	0.523	0.498	0.542	0.569	0.564	0.519	0.571	0.609	0.602	0.602	0.652	0.644
Kentucky	0.652	0.689	0.607	0.655	0.552	0.603	0.546	0.622	0.617	0.451	0.480	0.469	0.460
Louisiana	0.447	0.451	0.410	0.434	0.460	0.447	0.496	0.356	0.495	0.393	0.437	0.399	0.422
Maine	0.697	0.650	0.617	0.768	0.576	0.564	0.652	0.530	0.509	0.503	0.537	0.574	0.519
Maryland	0.600	0.616	0.587	0.801	0.682	0.618	0.631	0.562	0.617	0.589	0.526	0.471	0.415
Massachusetts	0.907	0.894	0.766	1.063	0.891	1.031	1.070	1.162	1.135	0.993	1.019	1.134	0.757
Michigan	0.716	0.754	0.936	0.791	0.751	0.840	0.800	0.742	0.907	0.909	0.706	0.713	0.633
Minnesota	0.607	0.792	1.122	0.637	0.497	0.494	0.449	0.457	0.399	0.483	0.514	0.584	0.557
Mississippi	0.418	0.387	0.443	0.396	0.561	0.401	0.365	0.313	0.339	0.345	0.356	0.348	0.329
Missouri	0.766	0.616	0.659	0.727	0.911	0.874	0.873	0.951	0.942	1.198	1.183	1.045	1.073
Montana	1.159	0.570	1.747	1.063	0.853	1.400	0.794	1.169	1.056	0.779	1.060	0.859	1.167
Nebraska	0.669	0.723	0.786	0.804	0.746	0.865	0.739	0.693	0.671	0.634	0.678	0.626	0.623
Nevada	0.130	0.159	0.248	0.137	0.228	0.114	0.155	0.133	0.168	0.130	0.161	0.133	0.181
New Hampshire	0.965	0.632	0.668	0.622	0.908	0.666	0.628	0.668	0.677	0.799	1.040	0.941	0.783
New Jersey	0.746	0.828	0.737	0.740	0.907	0.790	0.740	0.836	0.779	0.799	0.707	0.643	0.506
New Mexico	0.334	0.518	0.998	0.344	0.211	0.373	0.279	0.305	0.377	0.725	0.464	0.293	0.240
New York	0.900	0.868	0.882	0.920	0.928	0.829	0.832	0.842	0.848	0.842	0.796	0.755	0.721
North Carolina	0.325	0.323	0.280	0.316	0.254	0.267	0.281	0.310	0.297	0.281	0.275	0.260	0.259
North Dakota	0.521	0.504	0.518	0.534	0.536	0.506	0.692	0.606	0.611	0.632	0.618	0.617	0.558
Ohio	1.084	1.021	0.971	0.840	0.841	0.830	0.687	0.716	0.884	0.894	0.742	0.783	0.687
Oklahoma	0.588	0.402	0.524	0.364	0.382	0.493	0.290	0.278	0.472	0.264	0.520	0.341	0.288
Oregon	0.366	0.292	0.388	0.340	0.344	0.357	0.337	0.470	0.526	0.397	0.410	0.361	0.347
Pennsylvania	0.777	0.968	0.749	1.050	0.794	0.778	0.847	0.934	0.857	0.797	0.743	0.714	0.721
Rhode Island	0.416	0.416	0.462	0.418	0.565	0.495	0.508	0.432	0.306	0.341	0.302	0.254	0.247
South Carolina	0.467	0.493	0.365	0.313	0.304	0.278	0.303	0.294	0.332	0.358	0.355	0.313	0.321
South Dakota	0.532	0.430	0.535	0.470	0.505	0.587	0.472	0.481	0.598	0.463	0.576	0.424	0.423
Tennessee	0.810	0.931	0.751	0.705	0.701	0.763	0.807	0.820	0.667	0.692	0.618	0.516	0.524
Texas	0.635	0.713	0.731	0.706	0.496	0.481	0.473	0.448	0.450	0.426	0.397	0.416	0.402
Utah	0.385	0.410	0.576	0.369	0.390	0.375	0.304	0.324	0.253	0.269	0.251	0.266	0.299
Vermont	1.100	0.948	1.547	1.537	1.228	3.159	1.850	1.104	0.928	0.909	1.098	1.035	1.008
Virginia	0.641	0.643	0.711	0.719	0.743	0.688	0.694	0.632	0.543	0.513	0.564	0.599	0.488
Washington	0.661	0.636	0.605	0.549	0.464	0.445	0.491	0.442	0.339	0.269	0.251	0.277	0.305
West Virginia	0.352	0.328	0.337	0.295	0.355	0.297	0.322	0.250	0.346	0.300	0.220	0.226	0.207
Wisconsin	0.679	0.936	0.695	0.596	0.495	0.502	0.649	0.463	0.455	0.557	0.469	0.519	0.493
Wyoming	0.525	0.484	0.518	0.630	0.457	0.594	0.526	0.544	0.551	0.607	0.496	0.420	0.467

* One district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.12.—McLoone index for instructional expenditures per pupil for all districts, by region and state: Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.831	0.831	0.832	0.830	0.841	0.824	0.844	0.849	0.848	0.846	0.854	0.862	0.871
Northeast	0.796	0.807	0.802	0.797	0.802	0.805	0.806	0.785	0.803	0.792	0.791	0.812	0.814
Midwest	0.842	0.855	0.846	0.854	0.853	0.855	0.851	0.843	0.853	0.848	0.851	0.843	0.852
South	0.875	0.871	0.863	0.847	0.848	0.842	0.847	0.860	0.844	0.855	0.875	0.896	0.903
West	0.863	0.864	0.877	0.869	0.864	0.877	0.877	0.869	0.871	0.884	0.868	0.878	0.887
Alabama	0.906	0.908	0.907	0.939	0.961	0.939	0.918	0.946	0.938	0.948	0.940	0.932	0.925
Alaska	0.909	0.974	0.987	0.935	0.992	0.951	0.897	0.877	0.949	0.910	0.893	0.886	0.878
Arizona	0.912	0.926	0.919	0.923	0.932	0.928	0.904	0.929	0.921	0.884	0.929	0.927	0.928
Arkansas	0.906	0.910	0.912	0.907	0.946	0.930	0.908	0.925	0.922	0.904	0.937	0.924	0.936
California	0.901	0.902	0.908	0.918	0.927	0.936	0.918	0.919	0.922	0.920	0.919	0.933	0.947
Colorado	0.896	0.900	0.896	0.918	0.881	0.899	0.918	0.930	0.937	0.936	0.924	0.907	0.933
Connecticut	0.867	0.895	0.886	0.907	0.894	0.909	0.904	0.891	0.913	0.901	0.912	0.922	0.918
Delaware	0.690	0.738	0.870	0.755	0.765	0.772	0.816	0.815	0.831	0.888	0.927	0.956	0.873
Dist. of Columbia	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Florida	0.936	0.929	0.943	0.931	0.921	0.943	0.952	0.955	0.942	0.940	0.934	0.916	0.926
Georgia	0.907	0.917	0.916	0.887	0.923	0.889	0.913	0.923	0.914	0.920	0.919	0.899	0.928
Hawaii	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)	(¹)
Idaho	0.904	0.927	0.909	0.926	0.906	0.926	0.900	0.914	0.919	0.930	0.934	0.935	0.934
Illinois	0.849	0.850	0.840	0.841	0.830	0.831	0.825	0.815	0.825	0.812	0.815	0.813	0.824
Indiana	0.866	0.860	0.870	0.857	0.855	0.884	0.891	0.870	0.910	0.899	0.894	0.895	0.893
Iowa	0.928	0.938	0.942	0.928	0.932	0.931	0.925	0.923	0.931	0.937	0.924	0.937	0.941
Kansas	0.890	0.878	0.902	0.915	0.917	0.870	0.933	0.909	0.894	0.891	0.887	0.868	0.880
Kentucky	0.919	0.918	0.924	0.921	0.914	0.913	0.929	0.928	0.924	0.940	0.936	0.923	0.915
Louisiana	0.912	0.907	0.895	0.889	0.872	0.886	0.891	0.917	0.911	0.898	0.890	0.936	0.919
Maine	0.884	0.899	0.900	0.865	0.908	0.904	0.900	0.921	0.916	0.907	0.913	0.909	0.904
Maryland	0.910	0.895	0.892	0.891	0.926	0.913	0.953	0.935	0.962	0.932	0.969	0.964	0.966
Massachusetts	0.892	0.881	0.880	0.895	0.891	0.883	0.883	0.873	0.867	0.873	0.847	0.827	0.873
Michigan	0.855	0.858	0.836	0.852	0.863	0.872	0.895	0.890	0.894	0.890	0.885	0.894	0.893
Minnesota	0.903	0.882	0.872	0.888	0.907	0.900	0.891	0.916	0.910	0.913	0.912	0.905	0.926
Mississippi	0.908	0.909	0.913	0.921	0.870	0.927	0.936	0.942	0.937	0.929	0.933	0.913	0.927
Missouri	0.868	0.884	0.877	0.864	0.890	0.888	0.897	0.886	0.887	0.870	0.870	0.875	0.880
Montana	0.851	0.920	0.783	0.873	0.911	0.829	0.895	0.858	0.860	0.863	0.897	0.901	0.908
Nebraska	0.880	0.861	0.873	0.868	0.877	0.863	0.885	0.867	0.878	0.886	0.855	0.897	0.941
Nevada	0.966	0.966	0.980	0.986	(²)	(²)	(²)	(²)	(²)	0.994	(²)	(²)	(²)
New Hampshire	0.839	0.882	0.898	0.878	0.903	0.894	0.891	0.901	0.885	0.889	0.871	0.894	0.896
New Jersey	0.868	0.859	0.885	0.863	0.850	0.862	0.879	0.873	0.858	0.867	0.891	0.886	0.913
New Mexico	0.929	0.902	0.876	0.942	0.938	0.931	0.920	0.898	0.914	0.873	0.907	0.924	0.948
New York	0.825	0.850	0.843	0.848	0.844	0.856	0.868	0.871	0.853	0.823	0.904	0.878	0.891
North Carolina	0.940	0.942	0.949	0.956	0.959	0.949	0.942	0.943	0.947	0.951	0.949	0.951	0.952
North Dakota	0.899	0.882	0.897	0.848	0.922	0.911	0.925	0.909	0.896	0.906	0.919	0.902	0.914
Ohio	0.850	0.865	0.863	0.874	0.885	0.889	0.892	0.885	0.889	0.880	0.884	0.879	0.892
Oklahoma	0.894	0.907	0.898	0.909	0.913	0.923	0.931	0.938	0.932	0.908	0.911	0.911	0.924
Oregon	0.903	0.908	0.903	0.893	0.932	0.913	0.924	0.924	0.909	0.912	0.922	0.943	0.942
Pennsylvania	0.868	0.857	0.861	0.864	0.877	0.880	0.876	0.876	0.879	0.881	0.895	0.883	0.907
Rhode Island	0.921	0.906	0.894	0.909	0.897	0.906	0.878	0.881	0.951	0.954	0.952	0.959	0.950
South Carolina	0.928	0.918	0.922	0.945	0.952	0.949	0.936	0.948	0.938	0.938	0.939	0.942	0.943
South Dakota	0.916	0.928	0.904	0.921	0.899	0.914	0.917	0.939	0.916	0.934	0.918	0.918	0.924
Tennessee	0.896	0.892	0.895	0.883	0.897	0.878	0.913	0.903	0.889	0.884	0.907	0.900	0.911
Texas	0.882	0.883	0.875	0.895	0.920	0.929	0.935	0.937	0.923	0.938	0.938	0.930	0.932
Utah	0.928	0.936	0.927	0.936	0.941	0.949	0.943	0.953	0.967	0.982	0.964	0.975	0.936
Vermont	0.816	0.820	0.816	0.835	0.858	0.654	0.826	0.843	0.857	0.860	0.863	0.851	0.865
Virginia	0.894	0.914	0.923	0.913	0.882	0.890	0.908	0.919	0.915	0.919	0.924	0.922	0.936
Washington	0.918	0.922	0.917	0.921	0.939	0.931	0.938	0.949	0.954	0.950	0.952	0.944	0.955
West Virginia	0.942	0.927	0.916	0.897	0.958	0.946	0.934	0.945	0.949	0.954	0.963	0.968	0.955
Wisconsin	0.903	0.883	0.902	0.906	0.895	0.906	0.883	0.916	0.916	0.904	0.914	0.915	0.916
Wyoming	0.907	0.959	0.904	0.888	0.934	0.883	0.954	0.953	0.950	0.939	0.949	0.941	0.956

¹ One district.² A McLoone Index cannot be calculated as the school district with the lowest instructional expenditure has a majority of the state's enrollment.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.13.—Atkinson's index with a value of E of 2 for instructional expenditures per pupil for all districts, by region and state:
Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.939	0.943	0.943	0.930	0.930	0.922	0.924	0.923	0.924	0.922	0.923	0.928	0.932
Northeast	0.932	0.939	0.935	0.924	0.930	0.930	0.932	0.926	0.930	0.922	0.933	0.943	0.945
Midwest	0.952	0.958	0.951	0.956	0.952	0.947	0.950	0.953	0.954	0.952	0.958	0.954	0.957
South	0.963	0.962	0.958	0.952	0.961	0.947	0.949	0.954	0.958	0.959	0.968	0.970	0.974
West	0.957	0.960	0.961	0.960	0.957	0.964	0.962	0.961	0.955	0.964	0.963	0.967	0.972
Alabama	0.989	0.991	0.989	0.993	0.994	0.992	0.976	0.990	0.990	0.991	0.990	0.990	0.990
Alaska	0.894	0.924	0.957	0.904	0.925	0.933	0.909	0.907	0.915	0.925	0.943	0.926	0.930
Arizona	0.968	0.973	0.975	0.982	0.984	0.984	0.972	0.979	0.978	0.975	0.986	0.984	0.984
Arkansas	0.977	0.978	0.980	0.980	0.990	0.990	0.991	0.987	0.987	0.982	0.989	0.989	0.986
California	0.981	0.982	0.983	0.988	0.989	0.990	0.983	0.980	0.976	0.978	0.979	0.984	0.992
Colorado	0.968	0.972	0.973	0.979	0.974	0.977	0.982	0.989	0.990	0.989	0.989	0.990	0.991
Connecticut	0.971	0.971	0.969	0.969	0.973	0.981	0.983	0.984	0.983	0.981	0.983	0.983	0.983
Delaware	0.964	0.964	0.968	0.967	0.977	0.978	0.981	0.982	0.977	0.987	0.989	0.986	0.988
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	0.988	0.991	0.990	0.990	0.988	0.990	0.991	0.990	0.988	0.986	0.986	0.988	0.989
Georgia	0.976	0.973	0.978	0.981	0.980	0.970	0.979	0.979	0.979	0.978	0.979	0.980	0.981
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	0.981	0.985	0.980	0.982	0.972	0.977	0.977	0.977	0.978	0.981	0.982	0.981	0.979
Illinois	0.959	0.966	0.962	0.958	0.952	0.955	0.952	0.948	0.943	0.939	0.939	0.931	0.940
Indiana	0.972	0.974	0.974	0.972	0.977	0.977	0.981	0.979	0.980	0.980	0.981	0.980	0.980
Iowa	0.991	0.992	0.993	0.992	0.992	0.991	0.991	0.990	0.990	0.992	0.991	0.989	0.993
Kansas	0.982	0.982	0.982	0.982	0.981	0.978	0.981	0.982	0.979	0.978	0.977	0.979	0.976
Kentucky	0.971	0.968	0.975	0.969	0.975	0.974	0.973	0.970	0.978	0.985	0.983	0.983	0.982
Louisiana	0.984	0.989	0.989	0.987	0.986	0.985	0.984	0.987	0.985	0.987	0.984	0.988	0.990
Maine	0.974	0.974	0.971	0.972	0.969	0.970	0.975	0.974	0.974	0.974	0.974	0.976	0.976
Maryland	0.982	0.980	0.977	0.964	0.973	0.976	0.976	0.979	0.976	0.979	0.983	0.985	0.987
Massachusetts	0.963	0.954	0.964	0.958	0.960	0.959	0.949	0.947	0.946	0.950	0.945	0.942	0.968
Michigan	0.970	0.965	0.958	0.969	0.967	0.964	0.969	0.969	0.966	0.965	0.972	0.974	0.977
Minnesota	0.971	0.970	0.937	0.974	0.983	0.981	0.984	0.984	0.985	0.981	0.982	0.979	0.979
Mississippi	0.985	0.987	0.986	0.989	0.982	0.988	0.991	0.988	0.991	0.992	0.990	0.987	0.991
Missouri	0.948	0.955	0.949	0.950	0.948	0.944	0.938	0.936	0.937	0.929	0.954	0.952	0.928
Montana	0.917	0.983	0.893	0.949	0.941	0.917	0.969	0.953	0.948	0.963	0.945	0.960	0.941
Nebraska	0.972	0.969	0.970	0.970	0.972	0.967	0.971	0.974	0.973	0.973	0.974	0.974	0.976
Nevada	0.998	0.997	0.994	0.994	0.992	0.996	0.995	0.995	0.994	0.994	0.994	0.995	0.994
New Hampshire	0.967	0.960	0.963	0.962	0.960	0.970	0.968	0.976	0.975	0.972	0.962	0.966	0.968
New Jersey	0.967	0.967	0.965	0.966	0.955	0.962	0.966	0.961	0.966	0.962	0.968	0.977	0.980
New Mexico	0.992	0.989	0.964	0.985	0.996	0.991	0.992	0.988	0.987	0.976	0.985	0.989	0.990
New York	0.966	0.968	0.968	0.966	0.964	0.968	0.967	0.967	0.967	0.968	0.968	0.973	0.974
North Carolina	0.992	0.993	0.994	0.994	0.995	0.994	0.994	0.993	0.992	0.993	0.987	0.994	0.994
North Dakota	0.981	0.983	0.977	0.979	0.975	0.974	0.974	0.975	0.976	0.972	0.974	0.972	0.974
Ohio	0.951	0.952	0.956	0.956	0.962	0.961	0.970	0.966	0.962	0.962	0.961	0.959	0.970
Oklahoma	0.974	0.985	0.978	0.987	0.987	0.982	0.990	0.989	0.983	0.991	0.982	0.991	0.991
Oregon	0.984	0.992	0.987	0.989	0.992	0.987	0.991	0.989	0.985	0.987	0.985	0.988	0.987
Pennsylvania	0.957	0.958	0.970	0.915	0.969	0.967	0.966	0.965	0.965	0.966	0.971	0.970	0.970
Rhode Island	0.987	0.985	0.986	0.988	0.980	0.983	0.980	0.982	0.992	0.992	0.995	0.994	0.992
South Carolina	0.979	0.987	0.990	0.992	0.994	0.994	0.992	0.993	0.991	0.990	0.990	0.992	0.991
South Dakota	0.979	0.986	0.981	0.987	0.981	0.978	0.977	0.982	0.979	0.985	0.974	0.982	0.985
Tennessee	0.965	0.961	0.968	0.969	0.970	0.969	0.967	0.968	0.973	0.972	0.975	0.979	0.983
Texas	0.973	0.970	0.971	0.973	0.982	0.981	0.983	0.984	0.983	0.986	0.987	0.989	0.988
Utah	0.990	0.989	0.985	0.993	0.993	0.990	0.992	0.991	0.993	0.992	0.992	0.992	0.992
Vermont	0.942	0.949	0.919	0.928	0.942	0.810	0.913	0.946	0.958	0.962	0.956	0.955	0.958
Virginia	0.963	0.965	0.965	0.965	0.966	0.966	0.965	0.964	0.974	0.975	0.976	0.979	0.980
Washington	0.978	0.979	0.981	0.982	0.984	0.985	0.986	0.988	0.990	0.992	0.993	0.992	0.993
West Virginia	0.992	0.992	0.992	0.992	0.993	0.994	0.993	0.995	0.994	0.994	0.997	0.996	0.997
Wisconsin	0.975	0.965	0.973	0.977	0.983	0.983	0.976	0.985	0.986	0.982	0.986	0.984	0.985
Wyoming	0.983	0.984	0.977	0.969	0.977	0.968	0.977	0.977	0.977	0.977	0.977	0.981	0.984

* One district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years, unpublished tabulations.

Table A3.4.14.—Atkinson's index with a value of E of 150 for instructional expenditures per pupil for all districts, by region and state:
Fiscal years 1980 to 1994

	1980	1981	1982	1983	1986	1987	1988	1989	1990	1991	1992	1993	1994
United States	0.441	0.476	0.434	0.430	0.388	0.367	0.426	0.476	0.488	0.497	0.487	0.472	0.443
Northeast	0.362	0.394	0.389	0.365	0.289	0.271	0.327	0.412	0.394	0.447	0.328	0.345	0.402
Midwest	0.460	0.474	0.430	0.427	0.424	0.383	0.446	0.498	0.514	0.526	0.502	0.474	0.440
South	0.514	0.573	0.510	0.538	0.494	0.460	0.493	0.561	0.588	0.606	0.619	0.612	0.641
West	0.433	0.475	0.419	0.425	0.481	0.360	0.567	0.572	0.538	0.571	0.585	0.603	0.524
Alabama	0.790	0.847	0.789	0.836	0.827	0.870	0.797	0.847	0.859	0.863	0.851	0.838	0.818
Alaska	0.757	0.790	0.871	0.754	0.810	0.787	0.776	0.758	0.754	0.789	0.813	0.779	0.783
Arizona	0.596	0.730	0.528	0.758	0.603	0.484	0.755	0.777	0.731	0.755	0.787	0.771	0.687
Arkansas	0.663	0.769	0.745	0.778	0.808	0.735	0.803	0.793	0.729	0.806	0.808	0.767	0.796
California	0.454	0.475	0.419	0.659	0.726	0.742	0.701	0.573	0.700	0.545	0.616	0.603	0.822
Colorado	0.610	0.718	0.675	0.752	0.736	0.639	0.774	0.789	0.767	0.789	0.785	0.815	0.815
Connecticut	0.619	0.621	0.620	0.625	0.643	0.709	0.714	0.716	0.654	0.648	0.721	0.695	0.705
Delaware	0.693	0.566	0.510	0.726	0.637	0.642	0.773	0.725	0.750	0.768	0.846	0.840	0.810
Dist. of Columbia	()	()	()	()	()	()	()	()	()	()	()	()	()
Florida	0.775	0.794	0.772	0.816	0.796	0.842	0.831	0.829	0.820	0.820	0.840	0.849	0.845
Georgia	0.707	0.715	0.577	0.728	0.770	0.595	0.734	0.782	0.740	0.764	0.733	0.761	0.753
Hawaii	()	()	()	()	()	()	()	()	()	()	()	()	()
Idaho	0.745	0.816	0.700	0.785	0.740	0.781	0.794	0.815	0.798	0.845	0.850	0.846	0.825
Illinois	0.494	0.514	0.433	0.468	0.518	0.509	0.498	0.526	0.534	0.539	0.517	0.492	0.510
Indiana	0.658	0.666	0.666	0.660	0.702	0.615	0.760	0.645	0.666	0.717	0.570	0.592	0.449
Iowa	0.754	0.767	0.775	0.714	0.626	0.541	0.721	0.768	0.618	0.834	0.610	0.648	0.598
Kansas	0.763	0.744	0.776	0.789	0.724	0.736	0.595	0.731	0.760	0.752	0.737	0.716	0.727
Kentucky	0.723	0.755	0.604	0.783	0.778	0.686	0.805	0.787	0.776	0.817	0.810	0.781	0.797
Louisiana	0.659	0.771	0.779	0.801	0.770	0.745	0.755	0.729	0.745	0.743	0.761	0.803	0.811
Maine	0.527	0.569	0.557	0.527	0.408	0.399	0.430	0.602	0.601	0.596	0.429	0.427	0.489
Maryland	0.806	0.810	0.814	0.797	0.801	0.817	0.788	0.825	0.849	0.764	0.868	0.874	0.858
Massachusetts	0.377	0.540	0.435	0.580	0.440	0.472	0.487	0.481	0.477	0.564	0.478	0.546	0.618
Michigan	0.445	0.472	0.423	0.444	0.471	0.426	0.517	0.568	0.556	0.565	0.530	0.541	0.496
Minnesota	0.718	0.582	0.615	0.710	0.669	0.341	0.374	0.566	0.650	0.598	0.571	0.497	0.558
Mississippi	0.745	0.772	0.665	0.792	0.633	0.646	0.845	0.842	0.829	0.796	0.801	0.832	0.813
Missouri	0.488	0.515	0.497	0.494	0.514	0.554	0.560	0.585	0.643	0.604	0.627	0.645	0.590
Montana	0.482	0.564	0.342	0.581	0.656	0.306	0.620	0.641	0.518	0.672	0.589	0.585	0.463
Nebraska	0.504	0.509	0.453	0.460	0.465	0.419	0.501	0.577	0.515	0.494	0.456	0.425	0.458
Nevada	0.927	0.956	0.909	0.953	0.948	0.971	0.972	0.966	0.969	0.972	0.968	0.975	0.966
New Hampshire	0.543	0.607	0.594	0.533	0.634	0.654	0.668	0.646	0.604	0.630	0.587	0.583	0.607
New Jersey	0.342	0.504	0.363	0.584	0.301	0.341	0.453	0.429	0.534	0.628	0.621	0.644	0.652
New Mexico	0.823	0.776	0.602	0.809	0.878	0.825	0.788	0.809	0.878	0.787	0.851	0.879	0.879
New York	0.640	0.658	0.586	0.582	0.536	0.537	0.578	0.696	0.643	0.609	0.337	0.702	0.700
North Carolina	0.856	0.869	0.866	0.887	0.892	0.880	0.646	0.850	0.832	0.843	0.847	0.853	0.847
North Dakota	0.518	0.603	0.442	0.754	0.555	0.487	0.503	0.569	0.653	0.646	0.646	0.620	0.647
Ohio	0.557	0.512	0.635	0.631	0.451	0.489	0.575	0.623	0.635	0.652	0.558	0.608	0.674
Oklahoma	0.530	0.726	0.558	0.736	0.834	0.519	0.735	0.574	0.713	0.760	0.716	0.765	0.866
Oregon	0.507	0.721	0.508	0.808	0.745	0.522	0.791	0.649	0.601	0.787	0.703	0.641	0.512
Pennsylvania	0.469	0.495	0.533	0.632	0.660	0.520	0.659	0.690	0.497	0.582	0.662	0.405	0.653
Rhode Island	0.787	0.751	0.759	0.819	0.667	0.653	0.671	0.662	0.826	0.863	0.892	0.831	0.801
South Carolina	0.743	0.763	0.778	0.827	0.897	0.883	0.817	0.848	0.851	0.827	0.833	0.817	0.826
South Dakota	0.765	0.809	0.714	0.807	0.814	0.796	0.775	0.780	0.731	0.840	0.690	0.827	0.797
Tennessee	0.643	0.637	0.718	0.704	0.726	0.728	0.694	0.710	0.708	0.693	0.707	0.684	0.779
Texas	0.526	0.528	0.490	0.599	0.613	0.505	0.538	0.691	0.744	0.675	0.736	0.766	0.758
Utah	0.884	0.860	0.835	0.903	0.890	0.896	0.907	0.913	0.925	0.923	0.933	0.922	0.888
Vermont	0.475	0.520	0.459	0.443	0.517	0.362	0.458	0.542	0.592	0.571	0.581	0.511	0.599
Virginia	0.715	0.741	0.720	0.748	0.468	0.451	0.458	0.463	0.591	0.788	0.772	0.554	0.763
Washington	0.565	0.604	0.478	0.400	0.732	0.785	0.775	0.800	0.828	0.837	0.827	0.785	0.770
West Virginia	0.828	0.793	0.785	0.816	0.879	0.848	0.847	0.881	0.880	0.890	0.914	0.760	0.914
Wisconsin	0.626	0.656	0.626	0.568	0.710	0.699	0.615	0.636	0.599	0.569	0.632	0.647	0.661
Wyoming	0.769	0.818	0.606	0.535	0.739	0.756	0.801	0.774	0.728	0.717	0.727	0.709	0.869

* One district.

SOURCE: U.S. Department of Commerce, Bureau of the Census, Survey of Local Governments: School Systems, various years; unpublished tabulations.

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